AIR QUALITY REPORT

JAMES A. GARFIELD HIGH SCHOOL MAJOR MODERNIZATION PROJECT

LOS ANGELES UNIFIED SCHOOL DISTRICT, OFFICE OF ENVIRONMENTAL HEALTH AND SAFETY

PREPARED BY

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A CALEEMOD OUTPUTS

ACRONYMS AND ABBREVIATIONS

°C	degrees Celsius
ADA	Americans with Disabilities Act
AHJ	authority having jurisdiction
amsl	above mean sea level
APN	Assessor Parcel Number
BOD	biological oxygen demand
COD	Chemical Oxygen Demand
Conservancy	State Coastal Conservancy
DAC	disadvantaged community
DWR	Department of Water Resources
FEMA	Federal Emergency Management Agency
FIRMs	Federal Insurance Rate Maps
FRP	fiberglass reinforced plastic
gpd	gallons per day
HRT	hydraulic retention time
IRWMP	Integrated Regional Water Management Plan
Jalama; Park	Jalama Beach County Park
MBBR	moving bed biofilm reactor
MBR	membrane bioreactor
mg/L	miligrams per liter
MHI	median household income
mSc/m	millisiemens per centimeter
ND	non-detect
NH_3	ammonium
NO_3	nitrate
North County	northern Santa Barbara County
NS	Not Sampled
NTU	Nephelometric Turbidity Units
O&P	overhead and profit
PEIR	Program Environmental Impact Report
Project	Jalama Beach County Park Water Recycling Project

Recreation Master Plan	Santa Barbara Countywide Recreation Master Plan
RV	Recreation Vehicle
RWQCB	Regional Water Quality Control Board
SBCAG	Santa Barbara County Association of Governments
sqft	square foot
SR 1	State Route 1
STEP	septic tank with effluent pump
TDS	total dissolved solids
TKN	total Kjeldahl nitrogen
TN	Total Nitrogen
TSS	total suspended solids
ug/L	micrograms per liter
UPRR	Union Pacific Railroad
VSFB	Vandenberg Space Force Base
WWTP	wastewater treatment plant
WWTS	wastewater treatment system
Zn	zinc

1 INTRODUCTION

1.1 CONTEXT

This air quality technical study was prepared by WSP USA Environment & Infrastructure, Inc. (WSP) to support an Initial Study (IS) and Mitigated Negative Declaration (MND) for the James A. Garfield High School Major Modernization Project (Project) for the Los Angeles Unified School District (LAUSD or District), Office of Environmental Health and Safety (OEHS). The Project includes the modernizations and reconfiguration of the buildings and facilities located within a 1.9-acre portion of the campus including demolition of existing facilities, construction of new facilities, site upgrades and accessibility improvements. Construction activities are anticipated begin in Summer 2026 and to continue through Summer 2029 in multiple phases.

Ongoing master planning activities and facility site assessments conducted for LAUSD's facilities over the last several years have identified school sites throughout the District that exhibit critical physical conditions. The School Upgrade Program (SUP) implemented by the LAUSD outlines a series of capital improvements intended to rehabilitate and modernize these schools so they are safe, healthy, and functional places to learn.

The LAUSD prepared an Environmental Impact Report (SCH No. 2013111046) at the program level of detail to evaluate the direct and indirect environmental effects of the SUP program. The SUP Program Environmental Impact Report (Program EIR [PEIR]) was certified as adequate by the LAUSD Board in October 2015 (LAUSD, 2015). As provided in § 15168 of the State California Environmental Quality Act (CEQA) Guidelines, a Program EIR may be prepared on a series of actions that can be characterized as one large project. Use of a Program EIR provides the LAUSD (as lead agency) with the opportunity to consider broad policy alternatives and program-wide mitigation measures, and provides the LAUSD with greater flexibility to address project-specific and cumulative environmental impacts on a comprehensive basis.

Subsequent activities within the program are evaluated to determine whether an additional CEQA document needs to be prepared. However, if the Program EIR addresses the program's effects as specifically and comprehensively as possible, many subsequent activities could be found to be within the Program EIR scope, and additional environmental documents may not be required.[1] When a Program EIR is relied on for a subsequent activity, the lead agency must incorporate any feasible mitigation measures and alternatives developed in the Program EIR into the subsequent activities.[2]

1.2 PEIR AIR QUALITY SUMMARY

Table 1.2-1 summarizes the PEIR's conclusions regarding the air quality impacts of the SUP. Table 1.2-2 summarizes the District's Standard Conditions (SCs) identified in the SUP PEIR that would be most applicable to the Project.

According to the PEIR, projects implemented under the SUP are anticipated to have less than significant impacts on air quality in the LAUSD region. Furthermore, the project-specific analysis provided in Section 4.3.2.2 below concludes that implementation of the James A. Garfield High School Major Modernization Project would have either less than significant impacts or no impacts on the surrounding community and the school site.

[1] 14 CCR § 15168(c).
[2] 14 CCR § 5168(c)(3)

Table 1.2-1. Air Quality Impacts Identified in the PEIR

No.	Environmental Threshold	Level of Impact Significance	Potential Impacts Identified in the PEIR	Applicable SCs	Mitigation Measures
1	Conflict with or obstruct implementation of the applicable air quality plan.	Less than Significant	Impact 5.3-1: SUP-related projects would be consistent with the applicable air quality management plan.	SC-AQ-1	No mitigation measures are required.
2	Generate short-term air pollutant emissions, either directly or indirectly, that may have a significant impact on the environment.	Potentially significant and unavoidable	Impact 5.3-2: Construction activities may generate short-term emissions that exceed the South Coast Air Quality Management District's regional significance thresholds and cumulatively contribute to the South Coast Air Basin nonattainment designations.	SC-AQ-2 SC-AQ-3	No feasible mitigation measures are available that would further reduce short-term emissions and impacts to regional air quality.
3	Generate long-term air pollutant emissions, either directly or indirectly, that may have a significant impact on the environment.	Less than Significant	Impact 5.3-3: SUP-related projects would not generate long-term emissions that would exceed the South Coast Air Quality Management District's regional significance thresholds and would not cumulatively contribute to the South Coast Air Basin nonattainment designations.	SC-AQ-2 SC-AQ-3	No mitigation measures are required.
4	Expose sensitive receptors to substantial pollutant concentrations.	Potentially significant and unavoidable	Impact 5.3-4: Site-specific SUP projects may generate short-term (construction) emissions that exceed the South Coast Air Quality Management District's localized significance thresholds and expose sensitive receptors to substantial pollutant concentrations.	SC-AQ-4	No feasible mitigation measures are available that would further reduce potentially significant short-term localized emission impacts.
5	Expose sensitive receptors to substantial pollutant concentrations.	Less than Significant	Impact 5.3-5: Operation of SUP projects would not expose sensitive receptors to substantial pollutant concentrations.	SC-AQ-4	No mitigation measures are required.
6	Create objectionable odors affecting a substantial number of people.	Less than Significant	Impact 5.3-6: Implementation of SUP-related projects would not create objectionable odors.	SC-AQ-5	No mitigation measures are required.
7	Expose sensitive receptors in proximity to freeways and major roadways to substantial pollutant concentrations	Less than Significant	Impact 5.3-7: SUP-related projects would not expose sensitive receptors in proximity to freeways and major roadways to substantial pollutant concentrations.	SC-AQ-6 SC-AQ-7	No mitigation measures are required.

Table 1.2-2. LAUSD SC Applicable to the Project

SC-AQ-1	LAUSD shall complete a Health Risk Assessment for new campus locations that would place classrooms or play areas within close proximity (less than 0.25 mile) of existing sources of adverse emissions. LAUSD shall identify all permitted and non-permitted stationary sources, freeways and other busy traffic corridors, railyards, and large agricultural operations within 0.25 mile of the project. Once identified, make a determination about the need for qualitative evaluation, screening level evaluation in accordance with air district specific guidance and tools, or a refined evaluation with air dispersion modeling, to determine the if risks constitute an actual or potential endangerment of public health to persons who would attend or be employed at the school. For freeways and other busy traffic corridors within 500 feet, air dispersion modeling must be used to make the health risk determination (no screening, no qualitative discussion, etc.). The Health Risk Assessment shall comply with 'Air Toxics Health Risk Assessment (HRA)'. This document includes guidance on HRA protocols for permitted, non-permitted, and mobile sources that might reasonably be anticipated to emit hazardous air emissions and result in potential long-term and short-term health impacts to student and staff at the school site. The HRA must find that health risks are below criteria thresholds. If health risks which exceed air district criteria thresholds are identified, the school campus shall be redesigned or relocated to a site farther from the emissions generator.
SC-AQ-2	Construction Contractor shall ensure that construction equipment is properly tuned and maintained in accordance with manufacturer's specifications, to ensure excessive emissions are not generated by unmaintained equipment.
SC-AQ-3	Construction Contractor shall: • Maintain speeds of 15 miles per hour (mph) or less with all vehicles. • Load impacted soil directly into transportation trucks to minimize soil handling. • Water/mist soil as it is being excavated and loaded onto the transportation trucks. • Water/mist and/or apply surfactants to soil placed in transportation trucks prior to exiting the site. • Minimize soil drop height into haul trucks or stockpiles during dumping. • During transport, cover or enclose trucks transporting soils, increase freeboard requirements, and repair trucks exhibiting spillage due to leaks. • Cover the bottom of the excavated area with polyethylene sheeting when work is not being performed. • Place stockpiled soil on polyethylene sheeting and cover with similar material. • Place stockpiled soil in areas shielded from prevailing winds.
SC-AQ-4	LAUSD shall analyze air quality impacts: If site-specific review or monitoring data of a school construction project identifies potentially significant adverse regional and localized construction air quality impacts, then LAUSD shall implement all feasible measures to reduce air emissions below the South Coast Air Quality Management District's (SCAQMD) regional and localized significance thresholds.

Construction bid contracts shall include protocols that reduce construction emissions during high-emission construction phases from vehicles and other fuel driven construction engines, activities that generate fugitive dust, and surface coating operations. The Construction Contractor shall be responsible for documenting compliance with the identified protocols. Specific air emission reduction protocols include, but are not limited to, the following.

Exhaust Emissions

- Schedule construction activities that affect traffic flow to off-peak hours (e.g. between 10:00 AM and 3:00 PM).
- Consolidate truck deliveries and limit the number of haul trips per day.
- Route construction trucks off congested streets, as permitted by local jurisdiction haul routes.
- Employ high pressure fuel injection systems or engine timing retardation.
- Use ultra-low sulfur diesel fuel, containing 15 ppm sulfur or less (ULSD) in all diesel construction equipment.
- Use construction equipment rated by the United States Environmental Protection Agency as having at least Tier 4 (model year 2008 or newest available model) emission limits for engines between 50 and 750 horsepower.
- Restrict non-essential diesel engine idle time, to not more than five consecutive minutes.
- Use electrical power rather than internal combustion engine power generators.
- Use electric or alternatively fueled equipment, as feasible.
- Use construction equipment with the minimum practical engine size.
- Use low-emission on-road construction fleet vehicles.
- Ensure construction equipment is properly serviced and maintained to the manufacturer's standards.

Fugitive Dust

- Apply non-toxic soil stabilizers according to manufacturers' specification to all inactive construction areas (previously graded areas inactive for 10 days or more).
- Replace ground cover in disturbed areas as quickly as possible.
- Sweep streets at the end of the day if visible soil material is carried onto adjacent public paved roads (recommend water sweepers with reclaimed water).
- Install wheel washers where vehicles enter and exit unpaved roads onto paved roads, or wash off trucks and any equipment leaving the site each trip.
- Pave unimproved construction roads that have a traffic volume of more than 50 daily trips by construction equipment, and/or 150 daily trips for all vehicles.
- Pave all unimproved construction access roads for at least 100 feet from the main road to the project site.
- Enclose, cover, water twice daily, or apply non-toxic soil binders according to manufacturers' specifications to exposed piles (i.e., gravel, dirt, and sand) with a 5% or greater silt content.
- Suspend all excavating and grading operations when wind speeds (as instantaneous gusts) exceed 25 miles per hour (mph).
- Water disturbed areas of the active construction and unpaved road surfaces at least three times daily, except during periods of rainfall.
- Limit traffic speeds on unpaved roads to 15 mph or less.

- Prohibit fugitive dust activities on days where violations of the ambient air quality standard have been forecast by SCAQMD.
- Tarp and/or maintain a minimum of 24 inches of freeboard on trucks hauling dirt, sand, soil, or other loose materials.
- Limit the amount of daily soil and/or demolition debris loaded and hauled per day.

General Construction

- Use ultra-low VOC or zero-VOC surface coatings.
- Phase construction activities to minimize maximum daily emissions.
- Configure construction parking to minimize traffic interference.
- Provide temporary traffic control during construction activities to improve traffic flow (e.g., flag person).
- Prepare and implement a trip reduction plan for construction employees.
- Implement a shuttle service to and from retail services and food establishments during lunch hours.
- Increase distance between emission sources to reduce near-field emission impacts.

1.3 OUTLINE OF THIS REPORT

The purpose of this report is to provide a detailed technical site-specific air quality analysis of the James A. Garfield High School Major Modernization Project consistent with SC-AQ-4 of the SUP PEIR. The analysis was prepared in accordance with the *CEQA Air Quality Handbook* prepared by the South Coast Air Quality Management District (SCAQMD, 1993). Regional climate and meteorology, air quality monitoring data, and the area's attainment status with respect to criteria air pollutants are discussed. The report includes a description of federal, state and local agencies that govern air quality and climate change, and their pertinent statutes and regulations. It identifies potential impacts of air pollutants of concern for this Project, including criteria pollutants (i.e., pollutants for which National Ambient Air Quality Standards [NAAQS] have been established by the U.S. Environmental Protection Agency (EPA), and their precursors) and mobile source air toxics. Impacts of greenhouse gas (GHG) emissions are evaluated in Section 4.8 of the IS/MND for the Project. The report describes the analytical methodologies and assumptions used for this study as well as the results of these analyses and proposed mitigation measures.

2 PROJECT DESCRIPTION

2.1 INTRODUCTION

The Los Angeles Unified School District (LAUSD or District) is proposing a major modernization of James A. Garfield High School Campus (Campus) located at 5101 East Sixth Street, City of East Los Angeles, Los Angeles County, California. The proposed Garfield High School Major Modernization Project (Project) is intended to address the most critical physical needs of the building and grounds through building replacement, renovation, modernization, and reconfiguration. The proposed Project is required to undergo an environmental review pursuant to the California Environmental Quality Act (CEQA).

The proposed Project would address the deficiencies identified in the campus-wide survey through demolition of structures and systems that are beyond repair; construction of new buildings; improvements to the existing campus building and facilities; upgrades to infrastructure and utilities; and various upgrades to comply with the Americans with Disabilities Act (ADA: 42 U.S. Code Chapter 126).

2.2 PROJECT LOCATION

Garfield High School is located on a 19.3-acre site at 5101 East Sixth Street within the neighborhood of East Los Angeles, California, 90022, an unincorporated community of Los Angeles County (Assessor Parcel Numbers [APN] 5248-021-901, 5248-010-904, and 5248-012-914). Figures 1 and 2 show the site in its regional and local contexts, respectively. Regional access to the campus is provided by Long Beach Freeway (U.S. Interstate 710) to the west of the Project site and local access is provided by South Atlantic Boulevard to the east, which is a four-lane arterial roadway, as well as East Sixth Street to the south, Fraser Avenue to the east, and Escuela Street to the north.

2.3 CAMPUS SETTING

The campus exhibits a modified cluster plan, with classrooms and the cafeteria situated around the landscaped De Aro Mall courtyard in the southwestern portion of the campus. Additional buildings – some original and some later additions – are situated along the south perimeter of the Dr. Damon Lamarr Field at the center of the campus. The Campus is located in an area of early residential development and contains a collection of buildings 45 years or more of age all constructed between 1925 and 1975, with the majority constructed in the 1960s. Over time, many buildings have been demolished and replaced for various reasons, including the 1933 Long Beach Earthquake, and the need for expansion to accommodate increases in enrollment. The result is a campus with relatively little open space between buildings and that lacks architectural consistency, as larger buildings replaced earlier smaller ones and new buildings filled remaining spaces. Figure 3 shows a site plan of the existing facilities. The campus contains 15 permanent buildings and 4 portable/temporary buildings.

Main entry to the campus is provided from East Sixth Street via a portal through a new multi-story administration building and the main faculty and visitor parking lot is accessible from East Sixth Street. Additional faculty parking is accessible via two gated entrances on South Woods Avenue.

Figure 1. Regional Location of Project

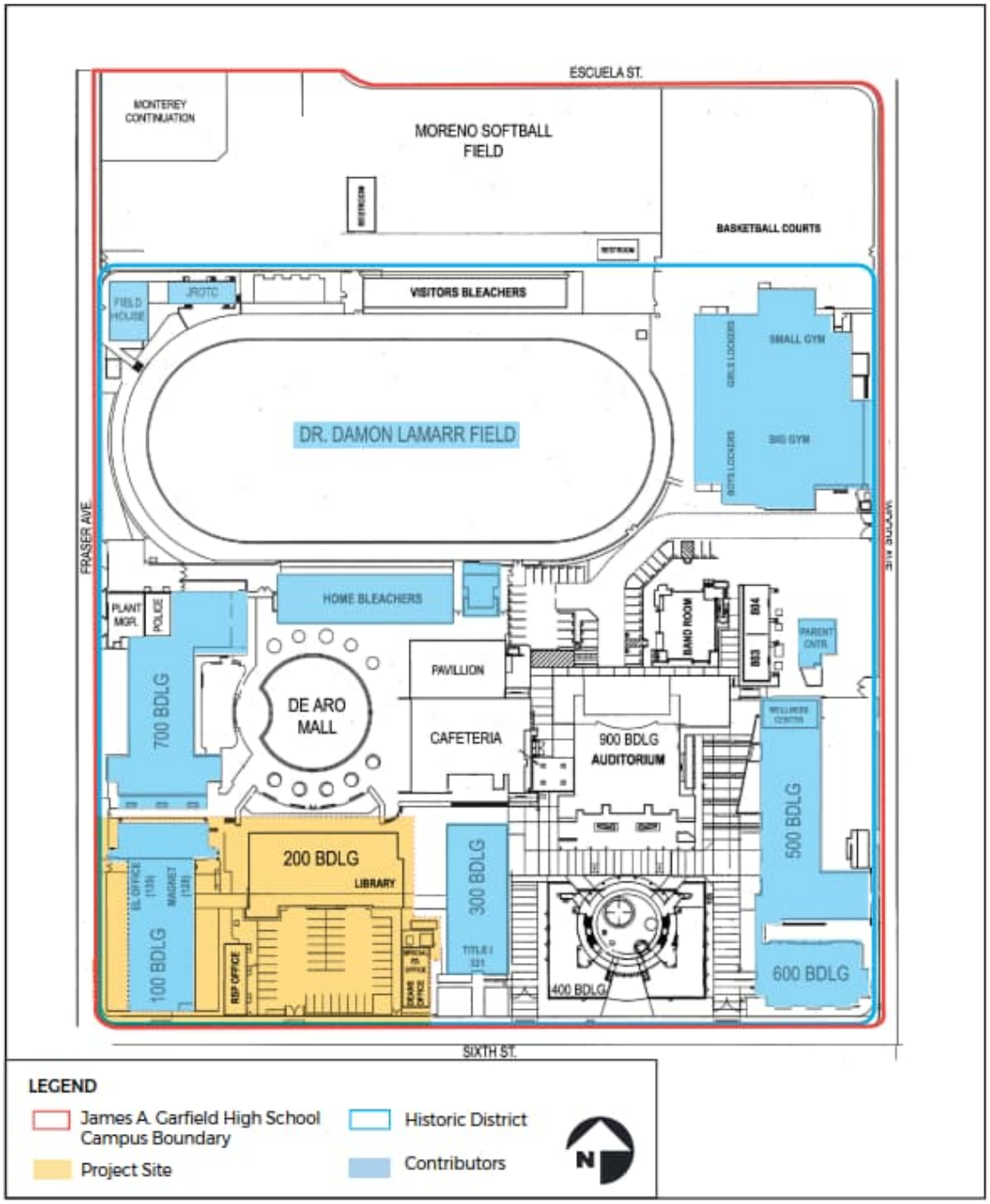
Regional Location

FIGURE 1

Figure 2. Surrounding Land Uses

wsp Surrounding Land Uses FIGURE 2

Figure 3. Project Location



2.4 DESCRIPTION OF PROPOSED PROJECT

2.4.1 PURPOSE AND OBJECTIVES

The purpose of the Garfield High School Project is to provide facilities that are safe, secure, and aligned with the instructional program of Garfield High School. The Project would not result in an increase in capacity or enrollment at the Garfield High School campus. The Project would be completed under LAUSD's SUP. The goals of the Project are consistent with the SUP's goal to build, modernize, and repair school facilities to improve student health, safety, and educational quality.[3] The Project is designed to address the most critical physical concerns of the buildings and grounds at the campus, while providing renovations, modernizations, and reconfigurations that are consistent with the Project definition for Garfield High School.

2.4.2 PLANNED IMPROVEMENTS

The major Project components include (1) demolition of various buildings, (2) construction of new buildings, (3) upgrades to facilities throughout the campus, and (4) improvements to comply with federal, state and local facilities requirements. Table 2.4-1 and Table 2.4-2 summarize the planned improvements to the campus. Each activity is described in greater detail following the table.

Table 2.4-1. Summary of Proposed Changes to Campus

Activity	Number of Classrooms	Square Footage
Demolition	(31)	(88,071)
New	31	63,870
Remodeled	0	0
Existing /No Change	76	276,591
Total Post Project	107	340,460
Total (Lost / Gained)	(0)	-8,133

*The total square footage of demolition includes the surface parking lot.

[3] LAUSD's School Upgrade Program, Certified Program Environmental Impact Report, November 10, 2015.

Table 2.4-2. Summary of Project Improvements

Building Number	Building Name/Location Description	Demolition Square Feet	Modernization Square Feet	New Square Feet	Existing (No Change) Square Feet
100	Classrooms and Parking Garage	38,265 sf			
200	Library and Classrooms	31,976 sf			
AA-336	Portable Classrooms and administrative space	1,763 sf			
AA-2254	Portable Classrooms and administrative space	1,317 sf			
Surface Parking Lot	Surface Parking Lot	14,750 sf			
N/A	New Building			63,870 sf	
500	Shops Building				
600	Classroom Building				
400	Administration and Classroom Building				
300	Science Building				
700	Classroom and Utility Building				
Cafeteria	Cafeteria Building				
900	Auditorium				
Music	Music Building				
Parent Center	Parent Center				
Gym	Boys and Girls Gymnasium				
Locker Rooms	Boys Locker & Shower				
	Campus Total* (does not include outdoor pavements or landscaping areas)	Up to 88,071 sf	N/A	63,870 sf	276,591 sf

DEMOLITION

The Project would include demolition and removal of 2 permanent buildings, a surface parking lot, and 2 buildings/portables containing classrooms and administrative spaces.

— Classrooms and Parking Garage (Building 100)
— Library and Classrooms (Building 200)
— Portable Classrooms and Administrative Space (AA-336)
— Portable Classrooms and Administrative Space (AA-2254)
— Surface Parking Lot (Faculty Parking Spaces)
— Second story bridge connecting Building 200 and Building 300

NEW CONSTRUCTION AND RENOVATIONS

New construction at Garfield High School would include replacement of the surface faculty parking spaces, classrooms, the library and administration spaces that would be demolished. Additionally, new construction would include a 63,870 square foot classroom building.

All or parts of the following buildings would receive major modernization, including seismic retrofit pursuant to Assembly Bill (AB) 300 and low voltage upgrades to support current technology:

- Classroom Building (Building 600)
- Shops Building (Building 500)
- Administrative and Classroom Building (Building 400)
- Science Building (Building 300)
- Classroom and Utility Building (Building 700)
- Cafeteria Building
- Auditorium
- Music Building
- Parent Center
- Boys and Girls Gymnasium
- Boys Locker & Shower
- Additionally, internal upgrades to restrooms, sewer, water, gas, and possibly fire and water in all 2-story classroom buildings would be completed.

The exterior of all existing buildings on Campus would be painted or cleaned, as appropriate, to provide a uniform appearance and enhanced curb appeal. Existing classrooms not being modernized would also receive minor interior improvements to help promote teaching and learning.

INFRASTRUCTURE UPGRADES

Infrastructure upgrades would include improvements to and/or replacement of existing utilities, site furnishings and bleacher structures, paving and parking arrangements, and adjustments to the athletic facilities on campus.

UPDATES FOR REGULATORY COMPLIANCE

The Project includes various actions to ensure that James A. Garfield High School complies with various federal, State, and local statutory and regulatory requirements. These include improvements required by the ADA, California Division of the State Architect (DSA), Office of the Independent Monitor, and SCs contained in the SUP PEIR.

2.4.3 ACCESS, CIRCULATION, AND PARKING

Campus access, traffic circulation, and pick-up/drop-off locations would remain unchanged under the Project. Further campus operations after completion of the Project construction would not generate additional vehicular trips. Therefore, existing travel routes to Garfield High School would not be altered as a result of the Project. However, demolition and construction activities within the development zone would require the establishment of a temporary parking area on campus. For example, the basketball courts may serve as a temporary parking location with access provided off of Woods Avenue. As previously described, following the completion of the new building and the demolition of Building 100 a new staff parking lot would be constructed. At a minimum this new staff parking lot would replace the existing staff parking

spaces (including electric vehicle charging stations). If they can be accommodated additional parking spaces and parking stalls are preferred. As with the existing staff parking lot, the new staff parking lot would be secured from the public with fencing. The driveway accesses from East Sixth Avenue would be abandoned and removed with the entry/exit from Fraser Avenue remaining.

The Project includes various actions to ensure that Garfield High School complies with various federal, State, and local statutory and regulatory requirements. This includes the development of accessible paths of travel and accessible route signage across the Campus that adheres to the Americans with Disabilities Act (ADA) and the California Building Code (CBC).

2.4.4 LANDSCAPING

The Project landscaping would be designed to be compatible with the campus and incorporate, to the extent possible, native plants and vegetation that are appropriate for the campus and the Southern California setting. All plants and vegetation proposed for the campus would be selected from the District's approved plant list or would be approved by the District prior to being placed on the campus. All tree removal would comply with LAUSD's Tree Trimming and Removal Procedure.

2.4.5 CONSTRUCTION SCHEDULE

Construction (including demolition) is planned to start in Q1 2026 and be completed by Q3 2029 (approximately 42 months). Construction activities related to the construction of new buildings and modernization of existing facilities are anticipated to begin in January 2027, and site/utility/interim housing activities which may begin in advance of the previously mentioned activities, is anticipated to be completed in December 2026.

Table 2.4-3 summarizes the proposed construction activities and schedule for implementation of the Project as provided by the District. The proposed construction scenario is based on a conservative phasing plan but is subject to change as the Project design is refined. The construction schedule provided by the District serves as the basis for the construction schedule as modeled for calculation Project air pollutant emission.

Table 2.4-3. District-Provided Project Construction Schedule

Phase	Starting Date	Ending Date
Utilities By-Pass and Interim Housing	July 1, 2026	December 31, 2026
Demolition of Existing Structures	January 1, 2027	July 31, 2027
Development of New Structures	August 1, 2027	June 30, 2029
Removal of Temporary Buildings	July 1, 2029	August 31, 2029
Renovations/ Remodeling	September 1, 2029	September 31, 2029

3 UPDATED AND PROJECT SPECIFIC EXISTING CONDITIONS

3.1 EXISTING AIR QUALITY

Air quality is affected by both the rate and location of pollutant emissions, and by meteorological conditions that influence movement and dispersal of pollutants. Atmospheric conditions such as wind speed, wind direction, and air temperature gradients, along with local topography, provide the link between air pollutant emissions and air quality.

The Project site is located in the South Coast Air Basin (Basin), which includes the western portion of San Bernardino County - including some portions of what was previously known as the Southeast Desert Air Basin, all of Orange County, the non-desert portions of Los Angeles County, and most of Riverside County. The distinctive climate of the Basin is determined by its terrain and geographic location. The Basin is a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean to the southwest and high mountains around its remaining perimeter. The general region lies in the semi-permanent high-pressure zone of the eastern Pacific, resulting in a mild climate tempered by cool sea breezes with light average wind speeds. The usually mild climatological pattern is interrupted occasionally by periods of extremely hot weather, winter storms, or Santa Ana winds.

The vertical dispersion of air pollutants in the Basin is hampered by the presence of persistent temperature inversions. An upper layer of dry air that warms as it descends characterizes high-pressure systems, such as the semi-permanent high-pressure zone in which the Basin is located. This upper layer restricts the mobility of cooler marine-influenced air near the ground surface and results in the formation of subsidence inversions. Such inversions restrict the vertical dispersion of air pollutants released into the marine layer and, together with strong sunlight, can produce worst-case conditions for the formation of photochemical smog.

The atmospheric pollution potential of an area is largely dependent on winds, atmospheric stability, solar radiation, and terrain. The combination of low wind speeds and low inversions produces the greatest concentration of air pollutants. On days without inversions, or on days of winds averaging over 15 miles per hour (mph), smog potential is greatly reduced (SCAQMD, 1993). The annual average high and low temperatures, as recorded at the South San Gabriel Valley Station 11 (SCAQMD, 2024) (approximately 5.3 miles southeast of the proposed Project site, at 34.01000000°N, -118.06777778°W), are 87 degrees Fahrenheit (°F) and 43°F, respectively. Average winter (December, January, and February) high and low temperatures are approximately 65°F and 43°F and average summer (June, July, and August) high and low temperatures are approximately 86°F and 64°F. The annual average of total precipitation is approximately 9.9 inches, which occurs mostly during the winter and relatively infrequently during the summer. Monthly precipitation averages approximately 2.55 inches during the winter, approximately 0.5 inch during the spring (March, April, and May), approximately 0.4 inch during the fall (September, October, and November), and approximately 0.05 inch during the summer.

Winds in the Basin are generally light, tempered by afternoon sea breezes. Severe weather is uncommon in the Basin, but strong easterly winds known as the Santa Ana winds can reach 25 to 35 mph below the passes and canyons. During the spring and summer months, air pollution is carried out of the region through mountain passes in wind currents or is lifted by the warm vertical currents produced by the heating of the mountain slopes. From the late summer through the winter months, because of the average lower wind speeds and temperatures in the proposed Project area and its vicinity, air contaminants do not readily disperse, thus trapping air pollution in the area.

The SCAQMD has divided the Basin into source receptor areas (SRAs), based on similar meteorological and topographical features. The proposed Project site is located in the SCAQMD's South San Gabriel Valley SRA (SRA No. 11). The most representative station of the Project site is the Los Angeles (Main Street) Station, which is located at 1630 North Main Street, Los Angeles, CA 90012, approximately 4.7 miles west of the Project site. The Los Angeles (Main Street) Station monitors fine carbon dioxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), ozone (O_3), respirable particulate matter (PM_{10}), fine particulate matter ($PM_{2.5}$), and lead (Pb).

Table 3.1-1 summarizes the air pollution monitoring results for 2022 for the South San Gabrial Valley SRA.

Table 3.1-1. 2022 Air Quality Summary – South San Gabriel Valley SRA

Monitoring Standard	Ozone (ppm)	Carbon Monoxide (ppm)	Nitrogen Dioxide (ppb)	PM_{10} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)
Max 1-Hr	0.123	1.6	64.5	--	--
National 1-Hr Days	--			--	--
California 1-Hr Days	*3*			--	--
Max 8-Hr	0.091	1.5	--	--	--
National 8-Hr Days	*2*		--	--	--
California 8-Hr Days	*3*		--	--	--
Max 24-Hr	--		--	--	53.8
National 24-Hr Days	--		--	--	*1*
California 24-Hr Days	--		--	--	--
Annual Average	--	--	17.0	--	11.32

Source: SCAQMD 2022.
Notes: ppm = parts per million; $\mu g/m^3$ = micrograms per cubic meter.

3.2 UPDATED REGULATORY SETTING

3.2.1 POLLUTANTS OF CONCERN

Criteria pollutants are air pollutants for which acceptable levels of exposure can be determined and an ambient air quality standard has been established by the U.S. EPA and/or the California Air Resources Board (ARB). The criteria air pollutants of concern are NO_2, carbon monoxide (CO), particulate matter (PM), SO_2, lead (Pb), and O_3, and their precursors. Since the proposed Project would not generate appreciable SO_2 or Pb emissions, it is not necessary for the analysis to include those two pollutants. Presented below are the air pollutants of concern. Their descriptions and known health effects can be found in Section 5 of the Final PEIR.[4]

— Nitrogen oxides (NO_x)
— Carbon monoxide (CO)
— Particulate matter (PM)
— Reactive organic gases (ROG)
— Ozone (O_3)

[4] PEIR, pp. 5.3-6 through 5.3-9.

3.2.2 APPLICABLE AIR QUALITY REGULATIONS

Federal, California, and regional air quality regulations are discussed in detail in the PEIR.[5] No changes that would affect the air quality analysis for the James A. Garfield High School Project have been made since the PEIR was adopted. Therefore, the regulations will not be discussed further in this report.

3.2.3 AIR QUALITY PLANS

The SCAQMD is required to produce plans to show how air quality will be improved in the region. The California Clean Air Act (CCAA) requires that these plans be updated triennially to incorporate the most recent available technical information.[6] A multi-level partnership of governmental agencies at the federal, state, regional, and local levels implement the programs contained in these plans. Agencies involved include the U.S. EPA, ARB, local governments, Southern California Association of Governments (SCAG), and SCAQMD. The SCAQMD and the SCAG are responsible for formulating and implementing the Air Quality Management Plan (AQMP) for the Basin.

The SCAQMD updates its AQMP every three years. The most recent of these is the 2022 AQMP, which was adopted by the Governing Board of SCAQMD on December 2, 2022. The 2022 AQMP was prepared to comply with the CAA and CCAA, to accommodate growth, to reduce air pollutant levels in the Basin, to meet Federal and State air quality standards, and to minimize the fiscal impact that pollution control measures have on the local economy.

The 2022 AQMP focuses on attaining the 2015 8-hour ozone standard, which is the most stringent standard to date. The 2022 AQMP builds upon measures already in place from previous AQMPs. It also includes a variety of additional strategies such as regulation, accelerated deployment of available cleaner technologies (e.g., zero emissions technologies, when cost-effective and feasible, and low NO_X technologies in other applications), best management practices, co-benefits from existing programs (e.g., climate and energy efficiency), incentives, and other CAA measures to achieve the 2015 8-hour ozone standard. Specifically, the AQMP projects that to meet this standard, NO_X emissions must be reduced by 67 percent by 2037.

3.3 UPDATED REGIONAL ATTAINMENT STATUS

Table 3.3-1 shows the area designation status of the Basin for each criteria pollutant for both the NAAQS and California Ambient Air Quality Standards (CAAQS) as of September 2018.

Table 3.3-1. Federal and State Attainment Status

Pollutants	Federal Classification	State Classification
Ozone (O_3)	1 & 8-Hour: Non-Attainment (Extreme)	1 & 8-Hour: Non-Attainment
Carbon Monoxide (CO)	Attainment (Maintenance)	Attainment
Nitrogen Dioxide (NO_2)	Attainment (Maintenance)	Attainment
Sulfur Dioxide (SO_2)	Attainment	Attainment
Particulate Matter (PM_{10})	Attainment (Maintenance)	Non-Attainment
Fine Particulate Matter ($PM_{2.5}$)	Non-Attainment (Serious)	Non-Attainment

[5] PEIR, pp. 5.3-2 through 5.3-15.

[6] CCAA of 1988.

Sources: NAAQS and CAAQS Attainment Status for the Basin. SCAQMD. https://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/naaqs-caaqs-feb2016.pdf?sfvrsn=14.

3.4 SENSITIVE RECEPTORS

Some people, such as individuals with respiratory illnesses or impaired lung function because of other illnesses, persons over 65 years of age, and children under 14, are particularly sensitive to certain pollutants. Facilities and structures where these sensitive people live or spend considerable amounts of time are known as sensitive receptors. Land uses identified to be sensitive receptors by SCAQMD (1993) in its *CEQA Air Quality Handbook* include residences, schools, playgrounds, child care centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. Sensitive receptors may be at risk of being affected by air emissions released from the construction and operation of the proposed Project.

The nearest sensitive receptors to the proposed Project site, with the highest potential to be impacted by the proposed Project, are listed in Table 3.4-1.

Table 3.4-1. Nearest Sensitive Receptors

No.	Name	Address	Use Type	Location	Distance from Project Site (ft)
1	Multi-family residence	5018 East Sixth Street	Residential	South of campus across East Sixth Street	111
2	Multi-family residence	5020 East Sixth Street	Residential	South of campus across East Sixth Street	108
3	Multi-family residence	5016 East Sixth Street	Residential	South of campus across East Sixth Street	104
4	Single-family residence	5010 East Sixth Street	Residential	South of campus across East Sixth Street	100
5	Single-family residence	608 Fraser Avenue	Residential	South of campus across East Sixth Street	96
6	Single-family residence	4959 East Sixth Street	Residential	West of campus across Fraser Avenue	122
7	Single-family residence	579 Fraser Avenue	Residential	West of campus across Fraser Avenue	96
8	Single-family residence	573 Fraser Avenue	Residential	West of campus across Fraser Avenue	93
9	Single-family residence	569 Fraser Avenue	Residential	West of campus across Fraser Avenue	91
10	Single-family residence	565 Fraser Avenue	Residential	West of campus across Fraser Avenue	96
11	Single-family residence	559 Fraser Avenue	Residential	West of campus across Fraser Avenue	100
12	Single-family residence	555 Fraser Avenue	Residential	West of campus across Fraser Avenue	116
13	Single-family residence	601 Fraser Avenue	Residential	Southwest of campus at the Fraser Avenue and East Sixth Street intersection	136

14	Multi-family residence	613 Fraser Avenue	Residential	Southwest of campus across Fraser Avenue	218
15	Multi-family residence	602 Clela Avenue	Residential	South of campus across East Sixth Avenue	92
16	Multi-family residence	610 Clela Avenue	Residential	South of campus across East Sixth Avenue	119
17	Single-family residence	612 Clela Avenue	Residential	South of campus across East Sixth Avenue	137
18	Multi-family residence	613 Clela Avenue	Residential	South of campus across East Sixth Avenue	147
19	Multi-family residence	614 Clela Avenue	Residential	South of campus across East Sixth Avenue	188
20	Single-family residence	5034 East Sixth Street	Residential	South of campus across East Sixth Avenue	100
21	Jenny's Auto	5036 East Sixth Street	Residential	South of campus across East Sixth Avenue	111
22	Laundry 2000	575 South Atlantic Boulevard	Auto Shop	East of campus across South Woods Avenue	713
23	Atlantic Avenue Park	601 South Atlantic Boulevard	Laundromat	East of campus across South Woods Avenue	760
24	Multi-family residence	570 South Atlantic Boulevard	Park	East of campus across South Atlantic Boulevard	968

4 PROJECT-SPECIFIC IMPACTS ANALYSIS

4.1 CEQA IMPACT REVIEW CRITERIA

In accordance with *State CEQA Guidelines* Appendix G, implementation of the Project would result in a potentially significant impact if it were to:

— Conflict with or obstruct implementation of the applicable air quality plan.

— Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard.

— Expose sensitive receptors to substantial pollutant concentrations.

— Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

Where available, the significance criteria established by the applicable air quality management district (AQMD) or air pollution control district (APCD) may be relied upon to make the significance determinations. As discussed in the next section, the SCAQMD has developed a *CEQA Air Quality Handbook* to provide a protocol for air quality analyses that are prepared under the requirements of CEQA.

4.1.1 EMISSION THRESHOLDS FOR REGIONAL AIR QUALITY IMPACTS

The SCAQMD has developed criteria for determining whether emissions from a project are regionally significant. They are useful for estimating whether a project is likely to result in a violation of the NAAQS and/or whether the project is in conformity with plans to achieve attainment. The SCAQMD no longer has "indirect source" rules, e.g., rules that place restrictions on housing or commercial development, or require reductions in trip generation and/or VMT to developed commercial or industrial sites.[7] Instead, the District has published guidance on conducting air quality analyses under CEQA (SCAQMD, 1993).[8] SCAQMD's significance thresholds are summarized in Table 4.1-1 for criteria pollutant emissions during construction activities and Project operation. A project is considered to have a regional air quality impact if emissions from its construction and/or operational activities exceed the corresponding SCAQMD significance thresholds.

Table 4.1-1. SCAQMD Emissions Thresholds for Significant Regional Impacts

Pollutant	Mass Daily Thresholds (lbs/day)	
	Construction	Operation
Nitrogen Oxides (NO_X)	100	55
Volatile Organic Compounds (VOC)	75	55
Respirable Particulate Matter (PM_{10})	150	150
Fine Particulate Matter ($PM_{2.5}$)	55	55
Sulfur Oxides (SO_X)	150	150
Carbon Monoxide (CO)	550	550
Lead	3	3

Source: SCAQMD, 2023.

[7] Two indirect source rules (1501 - Work Trip Reduction Plans and 1501.1 - Alternatives to Work Trip Reduction Plans) were repealed in 1995.
[8] Partially updated in 2006.

4.1.2 EMISSION THRESHOLDS FOR LOCALIZED AIR QUALITY IMPACTS

As part of its environmental justice program to address localized air quality impacts of development projects, SCAQMD developed localized significance thresholds (LSTs) in 2003 (Chico and Koizumi 2003). LSTs represent the maximum NO_X, CO, PM_{10}, and $PM_{2.5}$ emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard. NO_X and CO LSTs are based on the ambient concentrations of that pollutant for each SRA[9] and distance to the nearest off-site receptor. For PM_{10}, LSTs were derived based on requirements in SCAQMD Rule 403. Note that the LST analysis does not apply to ROG emissions, since there is no ambient air quality standard for ROG.

For the purposes of a CEQA analysis, the SCAQMD considers a sensitive receptor to be a receptor such as a residence, hospital, or convalescent facility where it is possible that an individual could remain for 24 hours or longer. Commercial and industrial facilities are not included in the definition of sensitive receptor, because employees typically are present for shorter periods of time, such as eight hours. Therefore, applying a 24-hour standard for PM_{10} is appropriate not only because the averaging period for the state standard is 24 hours, but because the sensitive receptor would be present at the location for the full 24 hours.

The SCAQMD has developed mass rate look-up tables that can be used to determine whether a project may generate significant localized air quality impacts to offsite receptors (including sensitive receptors). Note that the use of LSTs is voluntary, to be implemented at the discretion of the lead agency pursuant to CEQA.

4.1.3 IMPACTS OF CARBON MONOXIDE HOTSPOTS

Because the proposed Project would not result in an increase in traffic at local intersections, the potential for creation of CO “hotspots” is negligible. CO hotspots were therefore omitted from the Project air quality analysis.

4.2 METHODOLOGY

Estimated regional air emissions from the Project’s onsite and offsite construction activities were calculated using the California Emissions Estimator Model (CalEEMod), Version 2020.4.0 (California Air Pollution Control Officers Association 2024). CalEEMod is a planning tool for estimating emissions related to land use projects. The model incorporates EMFAC2017 emission factors to estimate on-road vehicle emissions; and emission factors and assumptions from the ARB’s OFFROAD2011 model to estimate off-road construction equipment emissions. The model also incorporates measures which would serve to reduce construction-related emissions which are informed by SCAQMD rules and regulations, as well as the District’s SCs which are applicable to the Project. Model-predicted Project emissions, reported in the CalEEMod results as the “mitigated” emissions, are compared with applicable thresholds to assess regional air quality impacts.

CalEEMod uses many default assumptions based upon surveys of various types of construction projects. However, the user may override the default values where project-specific data are available. The District provided a set of construction equipment and construction phasing/schedule assumptions for this Project.

Table 4.2-1 lists the construction equipment types and characteristics used in the modelling, and Table 4.2-2 shows the timing of the main phases of construction.

[9] The SCAQMD has defined 38 source receptor areas for various regulatory purposes. Each SRA is assumed to have a unique set of geographic and meteorological characteristics. The Project site is located within the South San Gabriel Valley SRA (SRA No. 11).

Table 4.2-1. Construction Equipment Assumptions

Phase Name	Construction Activity	Equipment Type	Pieces	Hours/Day
Utilities By-Pass and Interim Housing	Site Preparation	Cranes	1	7
		Forklifts	1	8
		Generator Sets	1	8
		Tractors/Loaders/Backhoes	2	8
Demolition of Existing Structures	Demolition	Concrete/Industrial Saws	1	8
		Graders	1	8
		Rubber Tired Dozers	2	8
		Tractors/Loaders/Backhoes	4	8
Development of New Structures	Building Construction	Cement and Mortar Mixers	2	6
		Forklifts	2	6
		Generator Sets	2	8
		Pavers	1	8
		Tractors/Loaders/Backhoes	2	6
Removal of Temporary Buildings	Paving	Cement and Mortar Mixers	1	7
		Concrete/Industrial Saws	1	6
		Forklifts	1	7
		Generator Sets	1	8
		Graders	1	8
		Pavers	1	8
		Rubber Tired Dozers	2	8
		Tractors/Loaders/Backhoes	3	8
Renovations/ Remodeling	Architectural Coating	Air Compressors	1	6
		Generator Sets	1	6

Table 4.2-2. Assumed Project Schedule

Phase	Starting Date	Ending Date
Utilities By-Pass and Interim Housing	July 1, 2026	December 31, 2026
Demolition of Existing Structures	January 1, 2027	July 31, 2027
Development of New Structures	August 1, 2027	June 30, 2029
Removal of Temporary Buildings	July 1, 2029	August 31, 2029
Renovations/ Remodeling	September 1, 2029	September 31, 2029

4.3 AIR QUALITY IMPACTS

4.3.1 CONSTRUCTION IMPACTS

Project construction activities would generate short-term air quality impacts. Construction emissions occur both onsite and offsite. Onsite air pollutant emissions consist principally of exhaust emissions from off-road heavy-duty construction equipment, as well as fugitive particulate matter from earth working and material handling operations. Offsite emissions result from workers commuting to and from the job site, as well as from trucks hauling materials to the site and construction debris from the site for disposal.

REGIONAL IMPACTS

Emissions of criteria pollutants during Project construction were estimated using the construction module of CalEEMod, Version 2020.4.0. All modeling output files and additional assumptions are provided in Appendix A.

For the purpose of this analysis, it was estimated that the construction of the proposed Project would begin in June 2026 and finish in late September 2029. Preliminary design and scheduling information from LAUSD was used in conjunction with CalEEMod to estimate the number of days to execute the following construction phases:

- Site Preparation
- Demolition.
- Building Construction.
- Paving
- Architectural Coating

The types and numbers of construction equipment anticipated in each phase of construction were provided by the District. With this information, a hypothetical but reasonable week-by-week construction schedule was developed and input in CalEEMod. It was also assumed that the construction contractor would comply with all pertinent provisions of SCAQMD Rule 403 and applicable District SCs for air quality (see Table 1.2-2). Equipment exhaust emissions were determined using CalEEMod default values for horsepower and load factors. Table 4.3-1 shows the model's estimates of maximum daily construction emissions for the proposed Project.

Table 4.3-1. Maximum Daily Unmitigated Construction Emissions

Construction Activity	Maximum Emissions (lbs/day)				
	ROG	NO_X	CO	PM_{10}	$PM_{2.5}$
Utilities By-Pass and Interim Housing (2026)	0.5	1.1	14.7	1.0	0.3
Demolition of Existing Structures (2027)	0.7	246	26.2	1.2	0.4
Development of New Structures (2027)	0.5	1.9	16.1	1.2	0.3
Development of New Structures (2028)	0.5	1.9	15.9	1.2	0.3
Development of New Structures (2029)	0.4	1.9	15.8	1.2	0.3
Removal of Temporary Buildings (2029)	0.8	2.7	31.3	1.1	0.3
Renovations/Remodeling (2029)	3.1	1.3	7.3	1.2	0.3
Maximum Daily Emissions	3.1	2.7	31.3	1.2	0.3
SCAQMD Significance Thresholds	*75*	*100*	*550*	*150*	*55*
Exceeds Threshold?	No	No	No	No	No

Source: Calculated by WSP with CalEEMod (Version 2020.4.0).

For each criteria pollutant, construction emissions would be below the pollutant's SCAQMD significance threshold. Therefore, the Project would not violate any air quality standard or contribute substantially to an existing or projected air quality violation. Construction emissions would be less than significant.

IMPACTS ON SENSITIVE RECEPTORS

Sensitive receptors are persons who are more susceptible to air pollution than the general population, such as children, athletes, the elderly, and the chronically ill. Examples of land uses where substantial numbers of sensitive receptors are often found are schools, daycare centers, parks, recreational areas, medical facilities, nursing homes, and convalescent care facilities. Residential areas are also considered to be sensitive to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to pollutants. Students on campus were also evaluated as sensitive receptors. As seen in Table 3.4-1, the nearest offsite sensitive receptors

consist of single-family and multi-family residences located on Fraser Avenue, the closest of which is a single-family residence located a distance of 91 feet from the Project site.

Following SCAQMD guidance (Chico and Koizumi 2003), only onsite construction emissions of NO_X, CO, PM_{10}, and $PM_{2.5}$ were considered in the localized significance analysis. According to the CalEEMod analysis, the highest onsite NO_X and CO emissions would occur during the Removal of Temporary Buildings Phase. The highest onsite PM_{10} and $PM_{2.5}$ emissions would occur during the Development of New Structures Phase. As described above, the Project area of disturbance is 1.9 acres. As a worst case and for the purposes of the localized significance analysis, the maximum daily disturbance for construction activities is conservatively assumed to be 2 acres.

LSTs were obtained by interpolation from tables in Appendix C of the SCAQMD's *Final Localized Significance Threshold Methodology* (Chico and Koizumi, 2003). Tables 4.3-2 through 4.3-5 show the results of the localized significance analysis for the proposed Project for several representative sensitive receptors of varying distances from the Project site. Based on these results, no criteria pollutant emissions would exceed localized significance thresholds. Therefore, localized air pollution impacts are considered less than significant.

Table 4.3-2. Localized Significance Analysis for Sensitive Receptor No. 9 (569 Fraser Avenue; 91 feet from Project site)

	NO_x	CO	PM_{10}	$PM_{2.5}$
Peak Onsite Emssions (lbs/day)	2.5	29.2	<1	<1
Localized Significance Threshold (lbs/day)	*121*	*1,044*	*9*	*5*
Significant?	No	No	No	No

Sources: Emissions calculated by WSP with CalEEMod (Version 2020.4.0).

Table 4.3-3. Localized Significance Analysis for Sensitive Receptor No. 5 (608 Fraser Avenue; 96 feet from Project site)

Construction Activity	NO_x	CO	PM_{10}	$PM_{2.5}$
Peak Onsite Emssions (lbs/day)	2.5	29.2	<1	<1
Localized Significance Threshold (lbs/day)	*121*	*1,049*	*9*	*5*
Significant?	No	No	No	No

Sources: Emissions calculated by WSP with CalEEMod (Version 2020.4.0).

Table 4.3-4. Localized Significance Analysis for Sensitive Receptor No. 3 (5016 E. Sixth Street; 104 feet from Project site)

Construction Activity	NO_x	CO	PM_{10}	$PM_{2.5}$
Peak Onsite Emssions (lbs/day)	2.5	29.2	<1	<1
Localized Significance Threshold (lbs/day)	*120*	*1,062*	*11*	*6*
Significant?	No	No	No	No

Sources: Emissions calculated by WSP with CalEEMod (Version 2020.4.0).

Table 4.3-5. Localized Significance Analysis for Sensitive Receptor No. 18 (613 Ciela Avenue; 147 feet from Project site)

Construction Activity	NO_x	CO	PM_{10}	$PM_{2.5}$
Peak Onsite Emssions (lbs/day)	2.5	29.2	<1	<1
Localized Significance Threshold (lbs/day)	*119*	*1,121*	*19*	*7*
Significant?	No	No	No	No

Sources: Emissions calculated by WSP with CalEEMod (Version 2020.4.0).

CONSTRUCTION DIESEL PARTICULATE MATTER AND HEALTH IMPACTS

In 1998, CARB identified diesel particulate matter (DPM) as a Toxic Air Contaminant (TAC) associated with lung cancer (Office of Environmental Health Hazards Assessment [OEHHA], 1998). The CARB indicates that one of the highest public health priorities is the reduction of DPM generated by vehicles on California's freeways and highways, as it is one of the primary TACs with the most direct and common implications for respiratory health problems. Per CARB criteria, heavily traveled roadways where annual average daily trips (AADT) exceed 100,000 can be sources of particulate emissions from diesel-fueled engines. The nearest roadways to the Project site which have AADTs in excess of 100,000 are State Route 60 (3,000 feet to the north), Interstate 710 (3,700 feet to the west), and Interstate 5 (4,800 feet to the south). Other potential sources of TACs surrounding the Project site are associated with specific types of facilities, such as gas stations, dry cleaners, and auto body repair shops located along S. Atlantic Boulevard approximately 680 feet east of the Project site.

The CARB has made specific recommendations with respect to considering existing sensitive uses when siting new TAC-emitting facilities or with respect to TAC-emitting sources when siting sensitive receptors. The CARB recommends the following buffer distances be observed when locating these types of TAC emitters or sensitive land uses:

- Freeways or major roadways – 500 feet
- Dry cleaners – 500 feet
- Auto body repair services – 500 feet
- Gasoline dispensing stations with an annual throughput of less than 3.6 million gallons – 50 feet; gasoline dispensing stations with an annual throughput at or above 3.6 million gallons – 300 feet

The SCAQMD recommends that site-specific HRAs be performed to document potential cancer risk when siting sensitive land uses within the above buffer zones. SC-AQ-1 of the District's SUP PEIR also requires that the District complete an HRA for new campus locations that would place classrooms or play areas within close proximity of existing sources of adverse emissions. Based on the methodology established by OEHHA and the SCAQMD, the following significance thresholds have been established to determine the maximum individual cancer risk (MICR), and hazard index (HI) from Project emissions:

- MICR – cancer risk greater than or equal to 10 in one million ($<10x10^{-6}$);
- HI – highest chronic health index greater than or equal to than 1.0.

The proposed Project does not place sensitive land uses within the above buffer zones and is not an operational point-source of TACs. As described above, the nearest roadway with over 100,000 AADT is over 3,000 feet from the Project site, while the nearest potential sources of stationary TACs are located along S. Atlantic Boulevard approximately 680 feet to the east.

Although sensitive receptors would be exposed to diesel exhaust and DPM from construction equipment, the duration of exposure would not be sufficient to result in a significant cancer risk. Carcinogenic health risk assessments are based upon an assumption of 70 years' continuous exposure, while the exposure for the proposed Project would occur for about 1,128 working days. Therefore, no cancer health risk assessment was necessary. Acute non-cancer risk assessments are based upon one-hour maximum exposures, but acute reference exposure levels (RELs) for diesel exhaust and diesel particulate matter have not been established by the OEHHA. Therefore, impacts would be less than significant.

4.3.2 LONG- TERM IMPACTS

REGIONAL IMPACTS

The Project would replace or upgrade facilities on the James A. Garfield High School campus, but it would not increase the number of students or faculty at the school, and would not introduce new emission sources. As such, no new vehicle trips would be generated, and there would be no increase in mobile source emissions. Furthermore, building upgrades and replacement of old, energy-inefficient structures with those that use less energy would reduce emissions related to space heating and other onsite sources. Therefore, there would be no net increase in regional emissions of any criteria pollutant, and the impact would be less than significant.

ODOR ANALYSIS

The PEIR found that schools are not one of the types of land uses typically associated with malodorous emissions (e.g., wastewater treatment plants, fiberglass manufacturing facilities, etc.). Furthermore, while landscaping equipment, such as lawnmowers and leaf blowers, generate exhaust fumes, the associated odors would be temporary. In any event, whatever odors are associated with campus operations would not change as a result of the Project. Short-term construction-related odors would cease upon completion of construction. Therefore, odor impacts associated with the James A. Garfield High School Project would be less than significant.

4.3.3 CONFORMITY WITH AIR QUALITY MANAGEMENT PLAN

Neither the James A. Garfield High School Major Modernization Project nor the SUP as a whole is a large, regionally significant project that would affect the regional growth projections made by SCAG and used by the SCAQMD in formulating its AQMP. The student and faculty population at the school would not increase as a result of the Project. Finally, as discussed below, the projected emissions from the Project would not exceed the SCAQMD's regional significance thresholds. Thus, the Project would not be considered by SCAQMD to be a substantial source of air pollutant emissions, and would not conflict or obstruct implementation of the AQMP. Impacts would be less than significant.

5 EMISSION REDUCTION MEASURES

As discussed in Section 4.3, both the short-term and long-term air pollution impacts of the Project would be less than significant, especially with implementation of the District's SCs. Therefore, air quality mitigation measures are not necessary for the proposed Project.

6 IMPACTS AFTER MITIGATION

No air quality mitigation measures are necessary for this Project.

7 REFERENCES

CAPCOA (California Air Pollution Control Officers Association)

— 2016 California Emissions Estimator Model. User's Guide, Version 2020.4.0. Prepared by BREEZE Software, for the California Air Pollution Control Officers Association.

Chico, T. and Koizumi, J.

— 2003 Final Localized Significance Threshold Methodology: South Coast Air Quality Management District, Diamond Bar, CA. June.

LAUSD

— 2015 Program EIR for the School Upgrade Program. http://achieve.lausd.net/ceqa.

OEHHA (Office of Environmental Health Hazard Assessment)

— 1998 Part B: Health Risk Assessment for Diesel Exhaust. Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant. California Environmental Protection Agency. 1998.

SCAQMD (South Coast Air Quality Management District)

— 1993 CEQA Air Quality Handbook: South Coast Air Quality Management District, Diamond Bar, CA.

— 2022. 2022 Air Quality. https://www.aqmd.gov/docs/default-source/air-quality/historical-data-by-year/aq_card_2022_final.pdf?sfvrsn=2

— 2023 SCAQMD Air Quality Significance Thresholds. 2023. Diamond Bar, CA. https://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf?sfvrsn=25

— 2024 Air Quality Monitoring Stations. https://www.arcgis.com/apps/webappviewer/index.html?id=85c7770bac684749a631bd7b42eac1b7

APPENDIX

A CALEEMOD OUTPUTS

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

James A. Garfield HS Major Modernization Project

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	63.87	1000sqft	1.02	63,870.00	0
Parking Lot	38.27	1000sqft	0.88	38,265.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2029
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project site details

Construction Phase - Project-specific construction schedule

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD.

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD.

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD.

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD. Air Compressors added to account for assumed architectural coatings

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD. No Haul Trucks/Pickups option available, so accounted for by increasing Tractors/Loaders/Backhoes from 1 to 2

Trips and VMT - Project-specific construction trip assumptions provided from Project Pedestrian and Safety Study for the Garfield HS Major Modernization Project.

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition - Demolition of Buildings 100, 200, AA-336, and AA-2254

Grading - No import/export of fill anticipated. Total Acres Graded conservatively changed to reflect total Project area (1.9 acres)

Vehicle Trips - Project does not involve a change in operations or student capacity/teacher staffing. Project would not result in any net increase in vehicle trips or operational mobile-source emissions

Architectural Coating - VOC Content for surface coatings set to 10 g/L consitent with District SC-AQ-4

Construction Off-road Equipment Mitigation - Construction equipment set to Tier 4 consistent with District SC-AQ-4. Water exposed area three times daily consistent with District SC-AQ-4

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	158.00
tblConstructionPhase	NumDays	20.00	182.00
tblConstructionPhase	NumDays	200.00	600.00
tblConstructionPhase	NumDays	10.00	53.00
tblConstructionPhase	NumDays	10.00	25.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblLandUse	LandUseSquareFeet	38,270.00	38,265.00
tblLandUse	LotAcreage	1.47	1.02
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	188.00	70.00
tblTripsAndVMT	VendorTripNumber	17.00	24.00
tblTripsAndVMT	VendorTripNumber	0.00	24.00
tblTripsAndVMT	WorkerTripNumber	20.00	88.00
tblTripsAndVMT	WorkerTripNumber	13.00	88.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	43.00	88.00
tblTripsAndVMT	WorkerTripNumber	28.00	88.00
tblTripsAndVMT	WorkerTripNumber	9.00	88.00
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	WD_TR	14.07	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0882	0.6960	1.0358	2.1200e-003	0.0763	0.0292	0.1055	0.0203	0.0275	0.0478	0.0000	187.8526	187.8526	0.0316	1.2600e-003	189.0167
2027	0.3183	2.8613	3.0425	6.6700e-003	0.1820	0.1156	0.2976	0.0462	0.1082	0.1544	0.0000	589.1911	589.1911	0.1151	6.4800e-003	593.9992
2028	0.1837	1.5032	2.3870	5.0500e-003	0.1748	0.0576	0.2324	0.0470	0.0557	0.1027	0.0000	446.5488	446.5488	0.0431	0.0112	450.9649
2029	0.2130	1.5279	1.9794	4.2700e-003	0.1267	0.0608	0.1874	0.0340	0.0577	0.0917	0.0000	376.5814	376.5814	0.0530	6.7000e-003	379.9030
Maximum	**0.3183**	**2.8613**	**3.0425**	**6.6700e-003**	**0.1820**	**0.1156**	**0.2976**	**0.0470**	**0.1082**	**0.1544**	**0.0000**	**589.1911**	**589.1911**	**0.1151**	**0.0112**	**593.9992**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0354	0.0883	1.1467	2.1200e-003	0.0763	2.7200e-003	0.0790	0.0203	2.6900e-003	0.0230	0.0000	187.8524	187.8524	0.0316	1.2600e-003	189.0166
2027	0.0950	0.3464	3.4162	6.6700e-003	0.1696	9.0700e-003	0.1786	0.0444	9.0000e-003	0.0534	0.0000	589.1905	589.1905	0.1151	6.4800e-003	593.9986
2028	0.0690	0.3085	2.4717	5.0500e-003	0.1748	5.9400e-003	0.1807	0.0470	5.8500e-003	0.0528	0.0000	446.5484	446.5484	0.0431	0.0112	450.9645
2029	0.0939	0.2405	2.1414	4.2700e-003	0.1267	5.3700e-003	0.1320	0.0340	5.3100e-003	0.0393	0.0000	376.5810	376.5810	0.0530	6.7000e-003	379.9027
Maximum	**0.0950**	**0.3464**	**3.4162**	**6.6700e-003**	**0.1748**	**9.0700e-003**	**0.1807**	**0.0470**	**9.0000e-003**	**0.0534**	**0.0000**	**589.1905**	**589.1905**	**0.1151**	**0.0112**	**593.9986**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**63.48**	**85.07**	**-8.66**	**0.00**	**2.22**	**91.22**	**30.69**	**1.28**	**90.83**	**57.53**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2026	9-30-2026	0.3909	0.0612
2	10-1-2026	12-31-2026	0.3921	0.0624
3	1-1-2027	3-31-2027	1.0483	0.1200
4	4-1-2027	6-30-2027	1.0588	0.1201
5	7-1-2027	9-30-2027	0.6418	0.1033
6	10-1-2027	12-31-2027	0.4267	0.0968
7	1-1-2028	3-31-2028	0.4209	0.0946
8	4-1-2028	6-30-2028	0.4183	0.0920

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

9	**7-1-2028**	**9-30-2028**	0.4229	0.0930
10	**10-1-2028**	**12-31-2028**	0.4256	0.0957
11	**1-1-2029**	**3-31-2029**	0.4152	0.0925
12	**4-1-2029**	**6-30-2029**	0.4173	0.0910
13	**7-1-2029**	**9-30-2029**	0.9062	0.1494
		Highest	1.0588	0.1494

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2635	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5300e-003	2.5300e-003	1.0000e-005	0.0000	2.7000e-003
Energy	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	102.5325	102.5325	6.3600e-003	1.3300e-003	103.0890
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	16.8543	0.0000	16.8543	0.9961	0.0000	41.7559
Water						0.0000	0.0000		0.0000	0.0000	0.6728	15.6423	16.3151	0.0704	1.7900e-003	18.6097
Total	**0.2671**	**0.0323**	**0.0284**	**1.9000e-004**	**0.0000**	**2.4500e-003**	**2.4500e-003**	**0.0000**	**2.4500e-003**	**2.4500e-003**	**17.5272**	**118.1773**	**135.7045**	**1.0729**	**3.1200e-003**	**163.4573**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2635	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5300e-003	2.5300e-003	1.0000e-005	0.0000	2.7000e-003
Energy	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	102.5325	102.5325	6.3600e-003	1.3300e-003	103.0890
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	16.8543	0.0000	16.8543	0.9961	0.0000	41.7559
Water						0.0000	0.0000		0.0000	0.0000	0.6728	15.6423	16.3151	0.0704	1.7900e-003	18.6097
Total	**0.2671**	**0.0323**	**0.0284**	**1.9000e-004**	**0.0000**	**2.4500e-003**	**2.4500e-003**	**0.0000**	**2.4500e-003**	**2.4500e-003**	**17.5272**	**118.1773**	**135.7045**	**1.0729**	**3.1200e-003**	**163.4573**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Utilities By-Pass and Interim Housing	Site Preparation	7/1/2026	12/31/2026	6	158	
2	Demolition of Existing Structures	Demolition	1/1/2027	7/31/2027	6	182	
3	Development of New Structures	Building Construction	8/1/2027	6/30/2029	6	600	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Removal of Temporary Buildings	Paving	7/1/2029	8/31/2029	6	53	
5	Renovations/Remodeling	Architectural Coating	9/1/2029	9/30/2029	6	25	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.88

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,805; Non-Residential Outdoor: 31,935; Striped Parking Area: 2,296 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition of Existing Structures	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Existing Structures	Graders	1	8.00	187	0.41
Demolition of Existing Structures	Rubber Tired Dozers	2	8.00	247	0.40
Demolition of Existing Structures	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Utilities By-Pass and Interim Housing	Cranes	1	7.00	231	0.29
Utilities By-Pass and Interim Housing	Forklifts	1	8.00	89	0.20
Utilities By-Pass and Interim Housing	Generator Sets	1	8.00	84	0.74
Utilities By-Pass and Interim Housing	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Development of New Structures	Cement and Mortar Mixers	2	6.00	9	0.56
Development of New Structures	Forklifts	2	6.00	89	0.20
Development of New Structures	Generator Sets	2	8.00	84	0.74
Development of New Structures	Pavers	1		130	0.42
Development of New Structures	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Removal of Temporary Buildings	Cement and Mortar Mixers	1	7.00	9	0.56
Removal of Temporary Buildings	Concrete/Industrial Saws	1	6.00	81	0.73
Removal of Temporary Buildings	Forklifts	1	7.00	89	0.20
Removal of Temporary Buildings	Generator Sets	1	8.00	84	0.74
Removal of Temporary Buildings	Graders	1	8.00	187	0.41

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Removal of Temporary Buildings	Pavers	1	8.00	130	0.42
Removal of Temporary Buildings	Rubber Tired Dozers	2	8.00	247	0.40
Removal of Temporary Buildings	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Renovations/Remodeling	Air Compressors	1	6.00	78	0.48
Renovations/Remodeling	Generator Sets	1	6.00	84	0.74

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition of Existing Structures	8	88.00	0.00	70.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities By-Pass and Interim Housing	5	88.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Development of New Structures	9	88.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Removal of Temporary Buildings	11	88.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Renovations/Remodeling	2	88.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Utilities By-Pass and Interim Housing - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0704	0.6838	0.8510	1.5300e-003		0.0289	0.0289		0.0272	0.0272	0.0000	133.5992	133.5992	0.0304	0.0000	134.3596
Total	**0.0704**	**0.6838**	**0.8510**	**1.5300e-003**	**0.0000**	**0.0289**	**0.0289**	**0.0000**	**0.0272**	**0.0272**	**0.0000**	**133.5992**	**133.5992**	**0.0304**	**0.0000**	**134.3596**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0178	0.0121	0.1848	5.9000e-004	0.0763	3.8000e-004	0.0767	0.0203	3.5000e-004	0.0206	0.0000	54.2534	54.2534	1.1400e-003	1.2600e-003	54.6571
Total	**0.0178**	**0.0121**	**0.1848**	**5.9000e-004**	**0.0763**	**3.8000e-004**	**0.0767**	**0.0203**	**3.5000e-004**	**0.0206**	**0.0000**	**54.2534**	**54.2534**	**1.1400e-003**	**1.2600e-003**	**54.6571**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Utilities By-Pass and Interim Housing - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0176	0.0762	0.9619	1.5300e-003		2.3400e-003	2.3400e-003		2.3400e-003	2.3400e-003	0.0000	133.5990	133.5990	0.0304	0.0000	134.3594
Total	**0.0176**	**0.0762**	**0.9619**	**1.5300e-003**	**0.0000**	**2.3400e-003**	**2.3400e-003**	**0.0000**	**2.3400e-003**	**2.3400e-003**	**0.0000**	**133.5990**	**133.5990**	**0.0304**	**0.0000**	**134.3594**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0178	0.0121	0.1848	5.9000e-004	0.0763	3.8000e-004	0.0767	0.0203	3.5000e-004	0.0206	0.0000	54.2534	54.2534	1.1400e-003	1.2600e-003	54.6571
Total	**0.0178**	**0.0121**	**0.1848**	**5.9000e-004**	**0.0763**	**3.8000e-004**	**0.0767**	**0.0203**	**3.5000e-004**	**0.0206**	**0.0000**	**54.2534**	**54.2534**	**1.1400e-003**	**1.2600e-003**	**54.6571**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Demolition of Existing Structures - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0204	0.0000	0.0204	3.0800e-003	0.0000	3.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2212	2.2139	1.8339	3.8600e-003		0.0911	0.0911		0.0845	0.0845	0.0000	338.0619	338.0619	0.0957	0.0000	340.4535
Total	**0.2212**	**2.2139**	**1.8339**	**3.8600e-003**	**0.0204**	**0.0911**	**0.1114**	**3.0800e-003**	**0.0845**	**0.0875**	**0.0000**	**338.0619**	**338.0619**	**0.0957**	**0.0000**	**340.4535**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-005	4.4300e-003	1.2700e-003	2.0000e-005	6.0000e-004	3.0000e-005	6.3000e-004	1.7000e-004	3.0000e-005	1.9000e-004	0.0000	1.8783	1.8783	1.3000e-004	3.0000e-004	1.9706
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0194	0.0128	0.2012	6.6000e-004	0.0879	4.1000e-004	0.0883	0.0233	3.8000e-004	0.0237	0.0000	60.7386	60.7386	1.2100e-003	1.3800e-003	61.1790
Total	**0.0195**	**0.0172**	**0.2024**	**6.8000e-004**	**0.0885**	**4.4000e-004**	**0.0889**	**0.0235**	**4.1000e-004**	**0.0239**	**0.0000**	**62.6169**	**62.6169**	**1.3400e-003**	**1.6800e-003**	**63.1496**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Demolition of Existing Structures - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.9400e-003	0.0000	7.9400e-003	1.2000e-003	0.0000	1.2000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0459	0.1990	2.1721	3.8600e-003		6.1200e-003	6.1200e-003		6.1200e-003	6.1200e-003	0.0000	338.0615	338.0615	0.0957	0.0000	340.4531
Total	**0.0459**	**0.1990**	**2.1721**	**3.8600e-003**	**7.9400e-003**	**6.1200e-003**	**0.0141**	**1.2000e-003**	**6.1200e-003**	**7.3200e-003**	**0.0000**	**338.0615**	**338.0615**	**0.0957**	**0.0000**	**340.4531**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-005	4.4300e-003	1.2700e-003	2.0000e-005	6.0000e-004	3.0000e-005	6.3000e-004	1.7000e-004	3.0000e-005	1.9000e-004	0.0000	1.8783	1.8783	1.3000e-004	3.0000e-004	1.9706
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0194	0.0128	0.2012	6.6000e-004	0.0879	4.1000e-004	0.0883	0.0233	3.8000e-004	0.0237	0.0000	60.7386	60.7386	1.2100e-003	1.3800e-003	61.1790
Total	**0.0195**	**0.0172**	**0.2024**	**6.8000e-004**	**0.0885**	**4.4000e-004**	**0.0889**	**0.0235**	**4.1000e-004**	**0.0239**	**0.0000**	**62.6169**	**62.6169**	**1.3400e-003**	**1.6800e-003**	**63.1496**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0622	0.5616	0.8402	1.3900e-003		0.0235	0.0235		0.0228	0.0228	0.0000	118.6614	118.6614	0.0162	0.0000	119.0658
Total	**0.0622**	**0.5616**	**0.8402**	**1.3900e-003**		**0.0235**	**0.0235**		**0.0228**	**0.0228**	**0.0000**	**118.6614**	**118.6614**	**0.0162**	**0.0000**	**119.0658**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5100e-003	0.0595	0.0212	2.7000e-004	9.9100e-003	3.2000e-004	0.0102	2.8600e-003	3.1000e-004	3.1700e-003	0.0000	26.1324	26.1324	1.0400e-003	3.8100e-003	27.2948
Worker	0.0140	9.1800e-003	0.1448	4.8000e-004	0.0632	2.9000e-004	0.0635	0.0168	2.7000e-004	0.0171	0.0000	43.7185	43.7185	8.7000e-004	9.9000e-004	44.0355
Total	**0.0155**	**0.0687**	**0.1660**	**7.5000e-004**	**0.0732**	**6.1000e-004**	**0.0738**	**0.0197**	**5.8000e-004**	**0.0202**	**0.0000**	**69.8509**	**69.8509**	**1.9100e-003**	**4.8000e-003**	**71.3302**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0142	0.0615	0.8756	1.3900e-003		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	118.6612	118.6612	0.0162	0.0000	119.0657
Total	**0.0142**	**0.0615**	**0.8756**	**1.3900e-003**		**1.8900e-003**	**1.8900e-003**		**1.8900e-003**	**1.8900e-003**	**0.0000**	**118.6612**	**118.6612**	**0.0162**	**0.0000**	**119.0657**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5100e-003	0.0595	0.0212	2.7000e-004	9.9100e-003	3.2000e-004	0.0102	2.8600e-003	3.1000e-004	3.1700e-003	0.0000	26.1324	26.1324	1.0400e-003	3.8100e-003	27.2948
Worker	0.0140	9.1800e-003	0.1448	4.8000e-004	0.0632	2.9000e-004	0.0635	0.0168	2.7000e-004	0.0171	0.0000	43.7185	43.7185	8.7000e-004	9.9000e-004	44.0355
Total	**0.0155**	**0.0687**	**0.1660**	**7.5000e-004**	**0.0732**	**6.1000e-004**	**0.0738**	**0.0197**	**5.8000e-004**	**0.0202**	**0.0000**	**69.8509**	**69.8509**	**1.9100e-003**	**4.8000e-003**	**71.3302**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1486	1.3418	2.0074	3.3200e-003		0.0562	0.0562		0.0544	0.0544	0.0000	283.5192	283.5192	0.0387	0.0000	284.4855
Total	**0.1486**	**1.3418**	**2.0074**	**3.3200e-003**		**0.0562**	**0.0562**		**0.0544**	**0.0544**	**0.0000**	**283.5192**	**283.5192**	**0.0387**	**0.0000**	**284.4855**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5500e-003	0.1412	0.0504	6.2000e-004	0.0237	7.6000e-004	0.0244	6.8300e-003	7.3000e-004	7.5600e-003	0.0000	61.2439	61.2439	2.4900e-003	8.9500e-003	63.9717
Worker	0.0315	0.0202	0.3292	1.1100e-003	0.1511	6.5000e-004	0.1518	0.0401	6.0000e-004	0.0407	0.0000	101.7857	101.7857	1.9100e-003	2.2600e-003	102.5077
Total	**0.0351**	**0.1615**	**0.3796**	**1.7300e-003**	**0.1748**	**1.4100e-003**	**0.1762**	**0.0470**	**1.3300e-003**	**0.0483**	**0.0000**	**163.0296**	**163.0296**	**4.4000e-003**	**0.0112**	**166.4794**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0339	0.1470	2.0921	3.3200e-003		4.5200e-003	4.5200e-003		4.5200e-003	4.5200e-003	0.0000	283.5188	283.5188	0.0387	0.0000	284.4852
Total	**0.0339**	**0.1470**	**2.0921**	**3.3200e-003**		**4.5200e-003**	**4.5200e-003**		**4.5200e-003**	**4.5200e-003**	**0.0000**	**283.5188**	**283.5188**	**0.0387**	**0.0000**	**284.4852**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5500e-003	0.1412	0.0504	6.2000e-004	0.0237	7.6000e-004	0.0244	6.8300e-003	7.3000e-004	7.5600e-003	0.0000	61.2439	61.2439	2.4900e-003	8.9500e-003	63.9717
Worker	0.0315	0.0202	0.3292	1.1100e-003	0.1511	6.5000e-004	0.1518	0.0401	6.0000e-004	0.0407	0.0000	101.7857	101.7857	1.9100e-003	2.2600e-003	102.5077
Total	**0.0351**	**0.1615**	**0.3796**	**1.7300e-003**	**0.1748**	**1.4100e-003**	**0.1762**	**0.0470**	**1.3300e-003**	**0.0483**	**0.0000**	**163.0296**	**163.0296**	**4.4000e-003**	**0.0112**	**166.4794**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0741	0.6687	1.0005	1.6500e-003		0.0280	0.0280		0.0271	0.0271	0.0000	141.3067	141.3067	0.0193	0.0000	141.7883
Total	**0.0741**	**0.6687**	**1.0005**	**1.6500e-003**		**0.0280**	**0.0280**		**0.0271**	**0.0271**	**0.0000**	**141.3067**	**141.3067**	**0.0193**	**0.0000**	**141.7883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7400e-003	0.0699	0.0250	3.0000e-004	0.0118	3.8000e-004	0.0122	3.4100e-003	3.6000e-004	3.7700e-003	0.0000	29.9507	29.9507	1.2400e-003	4.3800e-003	31.2864
Worker	0.0148	9.3200e-003	0.1567	5.4000e-004	0.0753	3.0000e-004	0.0756	0.0200	2.8000e-004	0.0203	0.0000	49.5454	49.5454	8.8000e-004	1.0800e-003	49.8900
Total	**0.0166**	**0.0792**	**0.1817**	**8.4000e-004**	**0.0871**	**6.8000e-004**	**0.0878**	**0.0234**	**6.4000e-004**	**0.0241**	**0.0000**	**79.4960**	**79.4960**	**2.1200e-003**	**5.4600e-003**	**81.1764**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0169	0.0733	1.0427	1.6500e-003		2.2500e-003	2.2500e-003		2.2500e-003	2.2500e-003	0.0000	141.3065	141.3065	0.0193	0.0000	141.7881
Total	**0.0169**	**0.0733**	**1.0427**	**1.6500e-003**		**2.2500e-003**	**2.2500e-003**		**2.2500e-003**	**2.2500e-003**	**0.0000**	**141.3065**	**141.3065**	**0.0193**	**0.0000**	**141.7881**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7400e-003	0.0699	0.0250	3.0000e-004	0.0118	3.8000e-004	0.0122	3.4100e-003	3.6000e-004	3.7700e-003	0.0000	29.9507	29.9507	1.2400e-003	4.3800e-003	31.2864
Worker	0.0148	9.3200e-003	0.1567	5.4000e-004	0.0753	3.0000e-004	0.0756	0.0200	2.8000e-004	0.0203	0.0000	49.5454	49.5454	8.8000e-004	1.0800e-003	49.8900
Total	**0.0166**	**0.0792**	**0.1817**	**8.4000e-004**	**0.0871**	**6.8000e-004**	**0.0878**	**0.0234**	**6.4000e-004**	**0.0241**	**0.0000**	**79.4960**	**79.4960**	**2.1200e-003**	**5.4600e-003**	**81.1764**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Removal of Temporary Buildings - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0740	0.7272	0.6580	1.3500e-003		0.0303	0.0303		0.0283	0.0283	0.0000	117.7158	117.7158	0.0306	0.0000	118.4798
Paving	1.1500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0752**	**0.7272**	**0.6580**	**1.3500e-003**		**0.0303**	**0.0303**		**0.0283**	**0.0283**	**0.0000**	**117.7158**	**117.7158**	**0.0306**	**0.0000**	**118.4798**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0400e-003	3.1700e-003	0.0532	1.8000e-004	0.0256	1.0000e-004	0.0257	6.7900e-003	1.0000e-004	6.8900e-003	0.0000	16.8327	16.8327	3.0000e-004	3.7000e-004	16.9498
Total	**5.0400e-003**	**3.1700e-003**	**0.0532**	**1.8000e-004**	**0.0256**	**1.0000e-004**	**0.0257**	**6.7900e-003**	**1.0000e-004**	**6.8900e-003**	**0.0000**	**16.8327**	**16.8327**	**3.0000e-004**	**3.7000e-004**	**16.9498**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Removal of Temporary Buildings - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0157	0.0679	0.7738	1.3500e-003		2.0900e-003	2.0900e-003		2.0900e-003	2.0900e-003	0.0000	117.7157	117.7157	0.0306	0.0000	118.4797
Paving	1.1500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0168**	**0.0679**	**0.7738**	**1.3500e-003**		**2.0900e-003**	**2.0900e-003**		**2.0900e-003**	**2.0900e-003**	**0.0000**	**117.7157**	**117.7157**	**0.0306**	**0.0000**	**118.4797**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0400e-003	3.1700e-003	0.0532	1.8000e-004	0.0256	1.0000e-004	0.0257	6.7900e-003	1.0000e-004	6.8900e-003	0.0000	16.8327	16.8327	3.0000e-004	3.7000e-004	16.9498
Total	**5.0400e-003**	**3.1700e-003**	**0.0532**	**1.8000e-004**	**0.0256**	**1.0000e-004**	**0.0257**	**6.7900e-003**	**1.0000e-004**	**6.8900e-003**	**0.0000**	**16.8327**	**16.8327**	**3.0000e-004**	**3.7000e-004**	**16.9498**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Renovations/Remodeling - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0349					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6300e-003	0.0368	0.0569	1.0000e-004		1.5400e-003	1.5400e-003		1.5400e-003	1.5400e-003	0.0000	8.4904	8.4904	3.7000e-004	0.0000	8.4996
Total	**0.0396**	**0.0368**	**0.0569**	**1.0000e-004**		**1.5400e-003**	**1.5400e-003**		**1.5400e-003**	**1.5400e-003**	**0.0000**	**8.4904**	**8.4904**	**3.7000e-004**	**0.0000**	**8.4996**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8000e-004	0.0112	4.0000e-003	5.0000e-005	1.8900e-003	6.0000e-005	1.9500e-003	5.5000e-004	6.0000e-005	6.0000e-004	0.0000	4.7998	4.7998	2.0000e-004	7.0000e-004	5.0139
Worker	2.3800e-003	1.4900e-003	0.0251	9.0000e-005	0.0121	5.0000e-005	0.0121	3.2100e-003	4.0000e-005	3.2500e-003	0.0000	7.9400	7.9400	1.4000e-004	1.7000e-004	7.9952
Total	**2.6600e-003**	**0.0127**	**0.0291**	**1.4000e-004**	**0.0140**	**1.1000e-004**	**0.0141**	**3.7600e-003**	**1.0000e-004**	**3.8500e-003**	**0.0000**	**12.7398**	**12.7398**	**3.4000e-004**	**8.7000e-004**	**13.0090**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Renovations/Remodeling - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0349					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-004	4.2800e-003	0.0609	1.0000e-004		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	8.4904	8.4904	3.7000e-004	0.0000	8.4996
Total	**0.0359**	**4.2800e-003**	**0.0609**	**1.0000e-004**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**	**0.0000**	**8.4904**	**8.4904**	**3.7000e-004**	**0.0000**	**8.4996**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8000e-004	0.0112	4.0000e-003	5.0000e-005	1.8900e-003	6.0000e-005	1.9500e-003	5.5000e-004	6.0000e-005	6.0000e-004	0.0000	4.7998	4.7998	2.0000e-004	7.0000e-004	5.0139
Worker	2.3800e-003	1.4900e-003	0.0251	9.0000e-005	0.0121	5.0000e-005	0.0121	3.2100e-003	4.0000e-005	3.2500e-003	0.0000	7.9400	7.9400	1.4000e-004	1.7000e-004	7.9952
Total	**2.6600e-003**	**0.0127**	**0.0291**	**1.4000e-004**	**0.0140**	**1.1000e-004**	**0.0141**	**3.7600e-003**	**1.0000e-004**	**3.8500e-003**	**0.0000**	**12.7398**	**12.7398**	**3.4000e-004**	**8.7000e-004**	**13.0090**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.539089	0.064361	0.187689	0.126009	0.023880	0.006823	0.012741	0.008481	0.000821	0.000481	0.025434	0.000757	0.003435
Parking Lot	0.539089	0.064361	0.187689	0.126009	0.023880	0.006823	0.012741	0.008481	0.000821	0.000481	0.025434	0.000757	0.003435

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	67.3925	67.3925	5.6900e-003	6.9000e-004	67.7401
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	67.3925	67.3925	5.6900e-003	6.9000e-004	67.7401
NaturalGas Mitigated	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.1401	35.1401	6.7000e-004	6.4000e-004	35.3489
NaturalGas Unmitigated	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.1401	35.1401	6.7000e-004	6.4000e-004	35.3489

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	658500	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.1401	35.1401	6.7000e-004	6.4000e-004	35.3489
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.5500e-003**	**0.0323**	**0.0271**	**1.9000e-004**		**2.4500e-003**	**2.4500e-003**		**2.4500e-003**	**2.4500e-003**	**0.0000**	**35.1401**	**35.1401**	**6.7000e-004**	**6.4000e-004**	**35.3489**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High School	658500	3.5500e-003	0.0323	0.0271	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.1401	35.1401	6.7000e-004	6.4000e-004	35.3489
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.5500e-003**	**0.0323**	**0.0271**	**1.9000e-004**		**2.4500e-003**	**2.4500e-003**		**2.4500e-003**	**2.4500e-003**	**0.0000**	**35.1401**	**35.1401**	**6.7000e-004**	**6.4000e-004**	**35.3489**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	366614	65.0173	5.4900e-003	6.7000e-004	65.3527
Parking Lot	13392.8	2.3751	2.0000e-004	2.0000e-005	2.3874
Total		**67.3925**	**5.6900e-003**	**6.9000e-004**	**67.7401**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High School	366614	65.0173	5.4900e-003	6.7000e-004	65.3527
Parking Lot	13392.8	2.3751	2.0000e-004	2.0000e-005	2.3874
Total		**67.3925**	**5.6900e-003**	**6.9000e-004**	**67.7401**

6.0 Area Detail

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2635	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5300e-003	2.5300e-003	1.0000e-005	0.0000	2.7000e-003
Unmitigated	0.2635	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5300e-003	2.5300e-003	1.0000e-005	0.0000	2.7000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0301					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2333					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5300e-003	2.5300e-003	1.0000e-005	0.0000	2.7000e-003
Total	**0.2635**	**1.0000e-005**	**1.3000e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.5300e-003**	**2.5300e-003**	**1.0000e-005**	**0.0000**	**2.7000e-003**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0301					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2333					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3000e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5300e-003	2.5300e-003	1.0000e-005	0.0000	2.7000e-003
Total	**0.2635**	**1.0000e-005**	**1.3000e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.5300e-003**	**2.5300e-003**	**1.0000e-005**	**0.0000**	**2.7000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	16.3151	0.0704	1.7900e-003	18.6097
Unmitigated	16.3151	0.0704	1.7900e-003	18.6097

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	2.12078 / 5.45344	16.3151	0.0704	1.7900e-003	18.6097
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**16.3151**	**0.0704**	**1.7900e-003**	**18.6097**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High School	2.12078 / 5.45344	16.3151	0.0704	1.7900e-003	18.6097
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**16.3151**	**0.0704**	**1.7900e-003**	**18.6097**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	16.8543	0.9961	0.0000	41.7559
Unmitigated	16.8543	0.9961	0.0000	41.7559

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	83.03	16.8543	0.9961	0.0000	41.7559
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**16.8543**	**0.9961**	**0.0000**	**41.7559**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High School	83.03	16.8543	0.9961	0.0000	41.7559
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**16.8543**	**0.9961**	**0.0000**	**41.7559**

9.0 Operational Offroad

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

James A. Garfield HS Major Modernization Project

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	63.87	1000sqft	1.02	63,870.00	0
Parking Lot	38.27	1000sqft	0.88	38,265.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2029
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project site details

Construction Phase - Project-specific construction schedule

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD.

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD.

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD.

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD. Air Compressors added to account for assumed architectural coatings

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD. No Haul Trucks/Pickups option available, so accounted for by increasing Tractors/Loaders/Backhoes from 1 to 2

Trips and VMT - Project-specific construction trip assumptions provided from Project Pedestrian and Safety Study for the Garfield HS Major Modernization Project.

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition - Demolition of Buildings 100, 200, AA-336, and AA-2254

Grading - No import/export of fill anticipated. Total Acres Graded conservatively changed to reflect total Project area (1.9 acres)

Vehicle Trips - Project does not involve a change in operations or student capacity/teacher staffing. Project would not result in any net increase in vehicle trips or operational mobile-source emissions

Architectural Coating - VOC Content for surface coatings set to 10 g/L consitent with District SC-AQ-4

Construction Off-road Equipment Mitigation - Construction equipment set to Tier 4 consistent with District SC-AQ-4. Water exposed area three times daily consistent with District SC-AQ-4

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	158.00
tblConstructionPhase	NumDays	20.00	182.00
tblConstructionPhase	NumDays	200.00	600.00
tblConstructionPhase	NumDays	10.00	53.00
tblConstructionPhase	NumDays	10.00	25.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblLandUse	LandUseSquareFeet	38,270.00	38,265.00
tblLandUse	LotAcreage	1.47	1.02
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	188.00	70.00
tblTripsAndVMT	VendorTripNumber	17.00	24.00
tblTripsAndVMT	VendorTripNumber	0.00	24.00
tblTripsAndVMT	WorkerTripNumber	20.00	88.00
tblTripsAndVMT	WorkerTripNumber	13.00	88.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	43.00	88.00
tblTripsAndVMT	WorkerTripNumber	28.00	88.00
tblTripsAndVMT	WorkerTripNumber	9.00	88.00
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	WD_TR	14.07	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	1.1202	8.7929	13.2707	0.0272	0.9836	0.3700	1.3536	0.2609	0.3480	0.6089	0.0000	2,654.5694	2,654.5694	0.4401	0.0163	2,670.4231
2027	2.6476	24.5000	22.5276	0.0502	1.2140	1.0056	2.2195	0.3051	0.9325	1.2291	0.0000	4,885.9909	4,885.9909	1.1746	0.0796	4,921.0443
2028	1.1767	9.5490	15.3900	0.0326	1.1373	0.3681	1.5054	0.3051	0.3559	0.6609	0.0000	3,176.5745	3,176.5745	0.3030	0.0777	3,207.3034
2029	3.3800	27.5500	26.9739	0.0582	1.1373	1.1477	2.1313	0.3051	1.0701	1.3310	0.0000	5,627.6665	5,627.6665	1.2834	0.0760	5,663.9818
Maximum	**3.3800**	**27.5500**	**26.9739**	**0.0582**	**1.2140**	**1.1477**	**2.2195**	**0.3051**	**1.0701**	**1.3310**	**0.0000**	**5,627.6665**	**5,627.6665**	**1.2834**	**0.0796**	**5,663.9818**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	0.4515	1.1014	14.6752	0.0272	0.9836	0.0345	1.0181	0.2609	0.0341	0.2950	0.0000	2,654.5694	2,654.5694	0.4401	0.0163	2,670.4231
2027	0.7214	2.3585	26.2435	0.0502	1.1373	0.0721	1.1756	0.3051	0.0718	0.3477	0.0000	4,885.9909	4,885.9909	1.1746	0.0796	4,921.0443
2028	0.4440	1.9148	15.9315	0.0326	1.1373	0.0380	1.1752	0.3051	0.0374	0.3425	0.0000	3,176.5745	3,176.5745	0.3030	0.0777	3,207.3034
2029	3.0884	2.6684	31.3426	0.0582	1.1373	0.0827	1.1749	0.3051	0.0824	0.3433	0.0000	5,627.6665	5,627.6665	1.2834	0.0760	5,663.9818
Maximum	**3.0884**	**2.6684**	**31.3426**	**0.0582**	**1.1373**	**0.0827**	**1.1756**	**0.3051**	**0.0824**	**0.3477**	**0.0000**	**5,627.6665**	**5,627.6665**	**1.2834**	**0.0796**	**5,663.9818**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**43.48**	**88.57**	**-12.83**	**0.00**	**1.71**	**92.14**	**36.98**	**0.00**	**91.66**	**65.32**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4443	9.0000e-005	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0224	0.0224	6.0000e-005		0.0238
Energy	0.0195	0.1769	0.1486	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.2481	212.2481	4.0700e-003	3.8900e-003	213.5094
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.4637**	**0.1770**	**0.1590**	**1.0600e-003**	**0.0000**	**0.0135**	**0.0135**	**0.0000**	**0.0135**	**0.0135**		**212.2704**	**212.2704**	**4.1300e-003**	**3.8900e-003**	**213.5332**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4443	9.0000e-005	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0224	0.0224	6.0000e-005		0.0238
Energy	0.0195	0.1769	0.1486	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.2481	212.2481	4.0700e-003	3.8900e-003	213.5094
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.4637**	**0.1770**	**0.1590**	**1.0600e-003**	**0.0000**	**0.0135**	**0.0135**	**0.0000**	**0.0135**	**0.0135**		**212.2704**	**212.2704**	**4.1300e-003**	**3.8900e-003**	**213.5332**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Utilities By-Pass and Interim Housing	Site Preparation	7/1/2026	12/31/2026	6	158	
2	Demolition of Existing Structures	Demolition	1/1/2027	7/31/2027	6	182	
3	Development of New Structures	Building Construction	8/1/2027	6/30/2029	6	600	
4	Removal of Temporary Buildings	Paving	7/1/2029	8/31/2029	6	53	
5	Renovations/Remodeling	Architectural Coating	9/1/2029	9/30/2029	6	25	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.88

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,805; Non-Residential Outdoor: 31,935; Striped Parking Area: 2,296 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition of Existing Structures	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Existing Structures	Graders	1	8.00	187	0.41
Demolition of Existing Structures	Rubber Tired Dozers	2	8.00	247	0.40
Demolition of Existing Structures	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Utilities By-Pass and Interim Housing	Cranes	1	7.00	231	0.29
Utilities By-Pass and Interim Housing	Forklifts	1	8.00	89	0.20

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Utilities By-Pass and Interim Housing	Generator Sets	1	8.00	84	0.74
Utilities By-Pass and Interim Housing	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Development of New Structures	Cement and Mortar Mixers	2	6.00	9	0.56
Development of New Structures	Forklifts	2	6.00	89	0.20
Development of New Structures	Generator Sets	2	8.00	84	0.74
Development of New Structures	Pavers	1		130	0.42
Development of New Structures	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Removal of Temporary Buildings	Cement and Mortar Mixers	1	7.00	9	0.56
Removal of Temporary Buildings	Concrete/Industrial Saws	1	6.00	81	0.73
Removal of Temporary Buildings	Forklifts	1	7.00	89	0.20
Removal of Temporary Buildings	Generator Sets	1	8.00	84	0.74
Removal of Temporary Buildings	Graders	1	8.00	187	0.41
Removal of Temporary Buildings	Pavers	1	8.00	130	0.42
Removal of Temporary Buildings	Rubber Tired Dozers	2	8.00	247	0.40
Removal of Temporary Buildings	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Renovations/Remodeling	Air Compressors	1	6.00	78	0.48
Renovations/Remodeling	Generator Sets	1	6.00	84	0.74

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition of Existing Structures	8	88.00	0.00	70.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities By-Pass and Interim Housing	5	88.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Development of New Structures	9	88.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Removal of Temporary Buildings	11	88.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Renovations/Remodeling	2	88.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Utilities By-Pass and Interim Housing - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8913	8.6561	10.7720	0.0194		0.3652	0.3652		0.3436	0.3436		1,864.1501	1,864.1501	0.4244		1,874.7607
Total	**0.8913**	**8.6561**	**10.7720**	**0.0194**	**0.0000**	**0.3652**	**0.3652**	**0.0000**	**0.3436**	**0.3436**		**1,864.1501**	**1,864.1501**	**0.4244**		**1,874.7607**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Utilities By-Pass and Interim Housing - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2289	0.1368	2.4987	7.8200e-003	0.9836	4.7900e-003	0.9884	0.2609	4.4000e-003	0.2653		790.4193	790.4193	0.0157	0.0163	795.6624
Total	**0.2289**	**0.1368**	**2.4987**	**7.8200e-003**	**0.9836**	**4.7900e-003**	**0.9884**	**0.2609**	**4.4000e-003**	**0.2653**		**790.4193**	**790.4193**	**0.0157**	**0.0163**	**795.6624**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2226	0.9646	12.1765	0.0194		0.0297	0.0297		0.0297	0.0297	0.0000	1,864.1501	1,864.1501	0.4244		1,874.7607
Total	**0.2226**	**0.9646**	**12.1765**	**0.0194**	**0.0000**	**0.0297**	**0.0297**	**0.0000**	**0.0297**	**0.0297**	**0.0000**	**1,864.1501**	**1,864.1501**	**0.4244**		**1,874.7607**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Utilities By-Pass and Interim Housing - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2289	0.1368	2.4987	7.8200e-003	0.9836	4.7900e-003	0.9884	0.2609	4.4000e-003	0.2653		790.4193	790.4193	0.0157	0.0163	795.6624
Total	**0.2289**	**0.1368**	**2.4987**	**7.8200e-003**	**0.9836**	**4.7900e-003**	**0.9884**	**0.2609**	**4.4000e-003**	**0.2653**		**790.4193**	**790.4193**	**0.0157**	**0.0163**	**795.6624**

3.3 Demolition of Existing Structures - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2236	0.0000	0.2236	0.0339	0.0000	0.0339			0.0000			0.0000
Off-Road	2.4309	24.3287	20.1530	0.0424		1.0007	1.0007		0.9281	0.9281		4,095.0489	4,095.0489	1.1588		4,124.0193
Total	**2.4309**	**24.3287**	**20.1530**	**0.0424**	**0.2236**	**1.0007**	**1.2243**	**0.0339**	**0.9281**	**0.9620**		**4,095.0489**	**4,095.0489**	**1.1588**		**4,124.0193**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Demolition of Existing Structures - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.8000e-004	0.0462	0.0139	2.0000e-004	6.7200e-003	3.3000e-004	7.0600e-003	1.8400e-003	3.2000e-004	2.1600e-003		22.7421	22.7421	1.5200e-003	3.6200e-003	23.8594
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2159	0.1251	2.3607	7.6000e-003	0.9836	4.4900e-003	0.9881	0.2609	4.1300e-003	0.2650		768.1999	768.1999	0.0143	0.0155	773.1656
Total	**0.2167**	**0.1713**	**2.3746**	**7.8000e-003**	**0.9904**	**4.8200e-003**	**0.9952**	**0.2627**	**4.4500e-003**	**0.2672**		**790.9420**	**790.9420**	**0.0158**	**0.0191**	**797.0250**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0872	0.0000	0.0872	0.0132	0.0000	0.0132			0.0000			0.0000
Off-Road	0.5047	2.1872	23.8690	0.0424		0.0673	0.0673		0.0673	0.0673	0.0000	4,095.0489	4,095.0489	1.1588		4,124.0193
Total	**0.5047**	**2.1872**	**23.8690**	**0.0424**	**0.0872**	**0.0673**	**0.1545**	**0.0132**	**0.0673**	**0.0805**	**0.0000**	**4,095.0489**	**4,095.0489**	**1.1588**		**4,124.0193**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Demolition of Existing Structures - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.8000e-004	0.0462	0.0139	2.0000e-004	6.7200e-003	3.3000e-004	7.0600e-003	1.8400e-003	3.2000e-004	2.1600e-003		22.7421	22.7421	1.5200e-003	3.6200e-003	23.8594
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2159	0.1251	2.3607	7.6000e-003	0.9836	4.4900e-003	0.9881	0.2609	4.1300e-003	0.2650		768.1999	768.1999	0.0143	0.0155	773.1656
Total	**0.2167**	**0.1713**	**2.3746**	**7.8000e-003**	**0.9904**	**4.8200e-003**	**0.9952**	**0.2627**	**4.4500e-003**	**0.2672**		**790.9420**	**790.9420**	**0.0158**	**0.0191**	**797.0250**

3.4 Development of New Structures - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9495	8.5736	12.8267	0.0212		0.3591	0.3591		0.3474	0.3474		1,996.9736	1,996.9736	0.2723		2,003.7802
Total	**0.9495**	**8.5736**	**12.8267**	**0.0212**		**0.3591**	**0.3591**		**0.3474**	**0.3474**		**1,996.9736**	**1,996.9736**	**0.2723**		**2,003.7802**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0236	0.8656	0.3196	4.0600e-003	0.1537	4.8800e-003	0.1585	0.0442	4.6700e-003	0.0489		439.4586	439.4586	0.0175	0.0641	458.9945
Worker	0.2159	0.1251	2.3607	7.6000e-003	0.9836	4.4900e-003	0.9881	0.2609	4.1300e-003	0.2650		768.1999	768.1999	0.0143	0.0155	773.1656
Total	**0.2395**	**0.9907**	**2.6804**	**0.0117**	**1.1373**	**9.3700e-003**	**1.1467**	**0.3051**	**8.8000e-003**	**0.3139**		**1,207.6584**	**1,207.6584**	**0.0318**	**0.0796**	**1,232.1601**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2168	0.9394	13.3682	0.0212		0.0289	0.0289		0.0289	0.0289	0.0000	1,996.9736	1,996.9736	0.2723		2,003.7802
Total	**0.2168**	**0.9394**	**13.3682**	**0.0212**		**0.0289**	**0.0289**		**0.0289**	**0.0289**	**0.0000**	**1,996.9736**	**1,996.9736**	**0.2723**		**2,003.7802**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0236	0.8656	0.3196	4.0600e-003	0.1537	4.8800e-003	0.1585	0.0442	4.6700e-003	0.0489		439.4586	439.4586	0.0175	0.0641	458.9945
Worker	0.2159	0.1251	2.3607	7.6000e-003	0.9836	4.4900e-003	0.9881	0.2609	4.1300e-003	0.2650		768.1999	768.1999	0.0143	0.0155	773.1656
Total	**0.2395**	**0.9907**	**2.6804**	**0.0117**	**1.1373**	**9.3700e-003**	**1.1467**	**0.3051**	**8.8000e-003**	**0.3139**		**1,207.6584**	**1,207.6584**	**0.0318**	**0.0796**	**1,232.1601**

3.4 Development of New Structures - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9495	8.5736	12.8267	0.0212		0.3591	0.3591		0.3474	0.3474		1,996.9736	1,996.9736	0.2723		2,003.7802
Total	**0.9495**	**8.5736**	**12.8267**	**0.0212**		**0.3591**	**0.3591**		**0.3474**	**0.3474**		**1,996.9736**	**1,996.9736**	**0.2723**		**2,003.7802**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0232	0.8601	0.3174	3.9800e-003	0.1537	4.8600e-003	0.1585	0.0442	4.6500e-003	0.0489		431.0468	431.0468	0.0175	0.0629	450.2354
Worker	0.2041	0.1153	2.2459	7.4100e-003	0.9836	4.1800e-003	0.9878	0.2609	3.8500e-003	0.2647		748.5540	748.5540	0.0132	0.0148	753.2878
Total	**0.2272**	**0.9754**	**2.5633**	**0.0114**	**1.1373**	**9.0400e-003**	**1.1463**	**0.3051**	**8.5000e-003**	**0.3136**		**1,179.6008**	**1,179.6008**	**0.0307**	**0.0777**	**1,203.5232**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2168	0.9394	13.3682	0.0212		0.0289	0.0289		0.0289	0.0289	0.0000	1,996.9736	1,996.9736	0.2723		2,003.7802
Total	**0.2168**	**0.9394**	**13.3682**	**0.0212**		**0.0289**	**0.0289**		**0.0289**	**0.0289**	**0.0000**	**1,996.9736**	**1,996.9736**	**0.2723**		**2,003.7802**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0232	0.8601	0.3174	3.9800e-003	0.1537	4.8600e-003	0.1585	0.0442	4.6500e-003	0.0489		431.0468	431.0468	0.0175	0.0629	450.2354
Worker	0.2041	0.1153	2.2459	7.4100e-003	0.9836	4.1800e-003	0.9878	0.2609	3.8500e-003	0.2647		748.5540	748.5540	0.0132	0.0148	753.2878
Total	**0.2272**	**0.9754**	**2.5633**	**0.0114**	**1.1373**	**9.0400e-003**	**1.1463**	**0.3051**	**8.5000e-003**	**0.3136**		**1,179.6008**	**1,179.6008**	**0.0307**	**0.0777**	**1,203.5232**

3.4 Development of New Structures - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9495	8.5736	12.8267	0.0212		0.3591	0.3591		0.3474	0.3474		1,996.9736	1,996.9736	0.2723		2,003.7802
Total	**0.9495**	**8.5736**	**12.8267**	**0.0212**		**0.3591**	**0.3591**		**0.3474**	**0.3474**		**1,996.9736**	**1,996.9736**	**0.2723**		**2,003.7802**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0229	0.8543	0.3156	3.9000e-003	0.1537	4.8300e-003	0.1585	0.0442	4.6200e-003	0.0489		422.9454	422.9454	0.0176	0.0618	441.7985
Worker	0.1925	0.1068	2.1446	7.2300e-003	0.9836	3.9000e-003	0.9875	0.2609	3.5900e-003	0.2645		731.0833	731.0833	0.0121	0.0142	735.6170
Total	**0.2153**	**0.9611**	**2.4602**	**0.0111**	**1.1373**	**8.7300e-003**	**1.1460**	**0.3051**	**8.2100e-003**	**0.3133**		**1,154.0287**	**1,154.0287**	**0.0297**	**0.0760**	**1,177.4155**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2168	0.9394	13.3682	0.0212		0.0289	0.0289		0.0289	0.0289	0.0000	1,996.9736	1,996.9736	0.2723		2,003.7802
Total	**0.2168**	**0.9394**	**13.3682**	**0.0212**		**0.0289**	**0.0289**		**0.0289**	**0.0289**	**0.0000**	**1,996.9736**	**1,996.9736**	**0.2723**		**2,003.7802**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0229	0.8543	0.3156	3.9000e-003	0.1537	4.8300e-003	0.1585	0.0442	4.6200e-003	0.0489		422.9454	422.9454	0.0176	0.0618	441.7985
Worker	0.1925	0.1068	2.1446	7.2300e-003	0.9836	3.9000e-003	0.9875	0.2609	3.5900e-003	0.2645		731.0833	731.0833	0.0121	0.0142	735.6170
Total	**0.2153**	**0.9611**	**2.4602**	**0.0111**	**1.1373**	**8.7300e-003**	**1.1460**	**0.3051**	**8.2100e-003**	**0.3133**		**1,154.0287**	**1,154.0287**	**0.0297**	**0.0760**	**1,177.4155**

3.5 Removal of Temporary Buildings - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7926	27.4432	24.8293	0.0510		1.1438	1.1438		1.0665	1.0665		4,896.5832	4,896.5832	1.2713		4,928.3648
Paving	0.0435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.8361**	**27.4432**	**24.8293**	**0.0510**		**1.1438**	**1.1438**		**1.0665**	**1.0665**		**4,896.5832**	**4,896.5832**	**1.2713**		**4,928.3648**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Removal of Temporary Buildings - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1925	0.1068	2.1446	7.2300e-003	0.9836	3.9000e-003	0.9875	0.2609	3.5900e-003	0.2645		731.0833	731.0833	0.0121	0.0142	735.6170
Total	**0.1925**	**0.1068**	**2.1446**	**7.2300e-003**	**0.9836**	**3.9000e-003**	**0.9875**	**0.2609**	**3.5900e-003**	**0.2645**		**731.0833**	**731.0833**	**0.0121**	**0.0142**	**735.6170**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5911	2.5616	29.1980	0.0510		0.0788	0.0788		0.0788	0.0788	0.0000	4,896.5832	4,896.5832	1.2713		4,928.3648
Paving	0.0435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6346**	**2.5616**	**29.1980**	**0.0510**		**0.0788**	**0.0788**		**0.0788**	**0.0788**	**0.0000**	**4,896.5832**	**4,896.5832**	**1.2713**		**4,928.3648**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Removal of Temporary Buildings - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1925	0.1068	2.1446	7.2300e-003	0.9836	3.9000e-003	0.9875	0.2609	3.5900e-003	0.2645		731.0833	731.0833	0.0121	0.0142	735.6170
Total	**0.1925**	**0.1068**	**2.1446**	**7.2300e-003**	**0.9836**	**3.9000e-003**	**0.9875**	**0.2609**	**3.5900e-003**	**0.2645**		**731.0833**	**731.0833**	**0.0121**	**0.0142**	**735.6170**

3.6 Renovations/Remodeling - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.7940					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3707	2.9421	4.5538	7.9000e-003		0.1230	0.1230		0.1230	0.1230		748.7240	748.7240	0.0326		749.5395
Total	**3.1646**	**2.9421**	**4.5538**	**7.9000e-003**		**0.1230**	**0.1230**		**0.1230**	**0.1230**		**748.7240**	**748.7240**	**0.0326**		**749.5395**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Renovations/Remodeling - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0229	0.8543	0.3156	3.9000e-003	0.1537	4.8300e-003	0.1585	0.0442	4.6200e-003	0.0489		422.9454	422.9454	0.0176	0.0618	441.7985
Worker	0.1925	0.1068	2.1446	7.2300e-003	0.9836	3.9000e-003	0.9875	0.2609	3.5900e-003	0.2645		731.0833	731.0833	0.0121	0.0142	735.6170
Total	**0.2153**	**0.9611**	**2.4602**	**0.0111**	**1.1373**	**8.7300e-003**	**1.1460**	**0.3051**	**8.2100e-003**	**0.3133**		**1,154.0287**	**1,154.0287**	**0.0297**	**0.0760**	**1,177.4155**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.7940					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0791	0.3426	4.8747	7.9000e-003		0.0105	0.0105		0.0105	0.0105	0.0000	748.7240	748.7240	0.0326		749.5395
Total	**2.8730**	**0.3426**	**4.8747**	**7.9000e-003**		**0.0105**	**0.0105**		**0.0105**	**0.0105**	**0.0000**	**748.7240**	**748.7240**	**0.0326**		**749.5395**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Renovations/Remodeling - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0229	0.8543	0.3156	3.9000e-003	0.1537	4.8300e-003	0.1585	0.0442	4.6200e-003	0.0489		422.9454	422.9454	0.0176	0.0618	441.7985
Worker	0.1925	0.1068	2.1446	7.2300e-003	0.9836	3.9000e-003	0.9875	0.2609	3.5900e-003	0.2645		731.0833	731.0833	0.0121	0.0142	735.6170
Total	**0.2153**	**0.9611**	**2.4602**	**0.0111**	**1.1373**	**8.7300e-003**	**1.1460**	**0.3051**	**8.2100e-003**	**0.3133**		**1,154.0287**	**1,154.0287**	**0.0297**	**0.0760**	**1,177.4155**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.539089	0.064361	0.187689	0.126009	0.023880	0.006823	0.012741	0.008481	0.000821	0.000481	0.025434	0.000757	0.003435
Parking Lot	0.539089	0.064361	0.187689	0.126009	0.023880	0.006823	0.012741	0.008481	0.000821	0.000481	0.025434	0.000757	0.003435

5.0 Energy Detail

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0195	0.1769	0.1486	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.2481	212.2481	4.0700e-003	3.8900e-003	213.5094
NaturalGas Unmitigated	0.0195	0.1769	0.1486	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.2481	212.2481	4.0700e-003	3.8900e-003	213.5094

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	1804.11	0.0195	0.1769	0.1486	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.2481	212.2481	4.0700e-003	3.8900e-003	213.5094
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0195**	**0.1769**	**0.1486**	**1.0600e-003**		**0.0134**	**0.0134**		**0.0134**	**0.0134**		**212.2481**	**212.2481**	**4.0700e-003**	**3.8900e-003**	**213.5094**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	1.80411	0.0195	0.1769	0.1486	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.2481	212.2481	4.0700e-003	3.8900e-003	213.5094
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0195**	**0.1769**	**0.1486**	**1.0600e-003**		**0.0134**	**0.0134**		**0.0134**	**0.0134**		**212.2481**	**212.2481**	**4.0700e-003**	**3.8900e-003**	**213.5094**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4443	9.0000e-005	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0224	0.0224	6.0000e-005		0.0238
Unmitigated	1.4443	9.0000e-005	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0224	0.0224	6.0000e-005		0.0238

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1651					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.6000e-004	9.0000e-005	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0224	0.0224	6.0000e-005		0.0238
Total	**1.4443**	**9.0000e-005**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0224**	**0.0224**	**6.0000e-005**		**0.0238**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1651					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.6000e-004	9.0000e-005	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0224	0.0224	6.0000e-005		0.0238
Total	**1.4443**	**9.0000e-005**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0224**	**0.0224**	**6.0000e-005**		**0.0238**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

James A. Garfield HS Major Modernization Project

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
High School	63.87	1000sqft	1.02	63,870.00	0
Parking Lot	38.27	1000sqft	0.88	38,265.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	9			**Operational Year**	2029
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project site details

Construction Phase - Project-specific construction schedule

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD.

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD.

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD.

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD. Air Compressors added to account for assumed architectural coatings

Off-road Equipment - Off-road Construction Equipment Project Details provided by LAUSD. No Haul Trucks/Pickups option available, so accounted for by increasing Tractors/Loaders/Backhoes from 1 to 2

Trips and VMT - Project-specific construction trip assumptions provided from Project Pedestrian and Safety Study for the Garfield HS Major Modernization Project.

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Demolition - Demolition of Buildings 100, 200, AA-336, and AA-2254

Grading - No import/export of fill anticipated. Total Acres Graded conservatively changed to reflect total Project area (1.9 acres)

Vehicle Trips - Project does not involve a change in operations or student capacity/teacher staffing. Project would not result in any net increase in vehicle trips or operational mobile-source emissions

Architectural Coating - VOC Content for surface coatings set to 10 g/L consitent with District SC-AQ-4

Construction Off-road Equipment Mitigation - Construction equipment set to Tier 4 consistent with District SC-AQ-4. Water exposed area three times daily consistent with District SC-AQ-4

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	2.00	158.00
tblConstructionPhase	NumDays	20.00	182.00
tblConstructionPhase	NumDays	200.00	600.00
tblConstructionPhase	NumDays	10.00	53.00
tblConstructionPhase	NumDays	10.00	25.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblLandUse	LandUseSquareFeet	38,270.00	38,265.00
tblLandUse	LotAcreage	1.47	1.02
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	188.00	70.00
tblTripsAndVMT	VendorTripNumber	17.00	24.00
tblTripsAndVMT	VendorTripNumber	0.00	24.00
tblTripsAndVMT	WorkerTripNumber	20.00	88.00
tblTripsAndVMT	WorkerTripNumber	13.00	88.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblTripsAndVMT	WorkerTripNumber	43.00	88.00
tblTripsAndVMT	WorkerTripNumber	28.00	88.00
tblTripsAndVMT	WorkerTripNumber	9.00	88.00
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	WD_TR	14.07	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	1.1373	8.8060	13.0537	0.0268	0.9836	0.3700	1.3536	0.2609	0.3480	0.6089	0.0000	2,610.6774	2,610.6774	0.4404	0.0173	2,626.8383
2027	2.6644	24.5140	22.3237	0.0498	1.2140	1.0056	2.2195	0.3051	0.9325	1.2291	0.0000	4,843.3831	4,843.3831	1.1749	0.0807	4,878.7283
2028	1.1921	9.6010	15.2065	0.0322	1.1373	0.3682	1.5055	0.3051	0.3559	0.6610	0.0000	3,135.8163	3,135.8163	0.3032	0.0788	3,166.8657
2029	3.3948	27.5601	26.7895	0.0578	1.1373	1.1477	2.1313	0.3051	1.0701	1.3310	0.0000	5,587.0968	5,587.0968	1.2837	0.0770	5,623.6768
Maximum	**3.3948**	**27.5601**	**26.7895**	**0.0578**	**1.2140**	**1.1477**	**2.2195**	**0.3051**	**1.0701**	**1.3310**	**0.0000**	**5,587.0968**	**5,587.0968**	**1.2837**	**0.0807**	**5,623.6768**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	0.4687	1.1145	14.4582	0.0268	0.9836	0.0345	1.0181	0.2609	0.0341	0.2950	0.0000	2,610.6774	2,610.6774	0.4404	0.0173	2,626.8383
2027	0.7382	2.3725	26.0396	0.0498	1.1373	0.0721	1.1756	0.3051	0.0718	0.3477	0.0000	4,843.3831	4,843.3831	1.1749	0.0807	4,878.7283
2028	0.4594	1.9667	15.7480	0.0322	1.1373	0.0380	1.1753	0.3051	0.0374	0.3425	0.0000	3,135.8163	3,135.8163	0.3032	0.0788	3,166.8657
2029	3.1032	2.6785	31.1582	0.0578	1.1373	0.0827	1.1749	0.3051	0.0824	0.3433	0.0000	5,587.0968	5,587.0968	1.2837	0.0770	5,623.6768
Maximum	**3.1032**	**2.6785**	**31.1582**	**0.0578**	**1.1373**	**0.0827**	**1.1756**	**0.3051**	**0.0824**	**0.3477**	**0.0000**	**5,587.0968**	**5,587.0968**	**1.2837**	**0.0807**	**5,623.6768**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**43.14**	**88.46**	**-12.96**	**0.00**	**1.71**	**92.14**	**36.98**	**0.00**	**91.66**	**65.32**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4443	9.0000e-005	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0224	0.0224	6.0000e-005		0.0238
Energy	0.0195	0.1769	0.1486	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.2481	212.2481	4.0700e-003	3.8900e-003	213.5094
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.4637**	**0.1770**	**0.1590**	**1.0600e-003**	**0.0000**	**0.0135**	**0.0135**	**0.0000**	**0.0135**	**0.0135**		**212.2704**	**212.2704**	**4.1300e-003**	**3.8900e-003**	**213.5332**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.4443	9.0000e-005	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0224	0.0224	6.0000e-005		0.0238
Energy	0.0195	0.1769	0.1486	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.2481	212.2481	4.0700e-003	3.8900e-003	213.5094
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.4637**	**0.1770**	**0.1590**	**1.0600e-003**	**0.0000**	**0.0135**	**0.0135**	**0.0000**	**0.0135**	**0.0135**		**212.2704**	**212.2704**	**4.1300e-003**	**3.8900e-003**	**213.5332**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Utilities By-Pass and Interim Housing	Site Preparation	7/1/2026	12/31/2026	6	158	
2	Demolition of Existing Structures	Demolition	1/1/2027	7/31/2027	6	182	
3	Development of New Structures	Building Construction	8/1/2027	6/30/2029	6	600	
4	Removal of Temporary Buildings	Paving	7/1/2029	8/31/2029	6	53	
5	Renovations/Remodeling	Architectural Coating	9/1/2029	9/30/2029	6	25	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.88

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 95,805; Non-Residential Outdoor: 31,935; Striped Parking Area: 2,296 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition of Existing Structures	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Existing Structures	Graders	1	8.00	187	0.41
Demolition of Existing Structures	Rubber Tired Dozers	2	8.00	247	0.40
Demolition of Existing Structures	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Utilities By-Pass and Interim Housing	Cranes	1	7.00	231	0.29
Utilities By-Pass and Interim Housing	Forklifts	1	8.00	89	0.20

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Utilities By-Pass and Interim Housing	Generator Sets	1	8.00	84	0.74
Utilities By-Pass and Interim Housing	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Development of New Structures	Cement and Mortar Mixers	2	6.00	9	0.56
Development of New Structures	Forklifts	2	6.00	89	0.20
Development of New Structures	Generator Sets	2	8.00	84	0.74
Development of New Structures	Pavers	1		130	0.42
Development of New Structures	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Removal of Temporary Buildings	Cement and Mortar Mixers	1	7.00	9	0.56
Removal of Temporary Buildings	Concrete/Industrial Saws	1	6.00	81	0.73
Removal of Temporary Buildings	Forklifts	1	7.00	89	0.20
Removal of Temporary Buildings	Generator Sets	1	8.00	84	0.74
Removal of Temporary Buildings	Graders	1	8.00	187	0.41
Removal of Temporary Buildings	Pavers	1	8.00	130	0.42
Removal of Temporary Buildings	Rubber Tired Dozers	2	8.00	247	0.40
Removal of Temporary Buildings	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Renovations/Remodeling	Air Compressors	1	6.00	78	0.48
Renovations/Remodeling	Generator Sets	1	6.00	84	0.74

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition of Existing Structures	8	88.00	0.00	70.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utilities By-Pass and Interim Housing	5	88.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Development of New Structures	9	88.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Removal of Temporary Buildings	11	88.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Renovations/Remodeling	2	88.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Utilities By-Pass and Interim Housing - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.8913	8.6561	10.7720	0.0194		0.3652	0.3652		0.3436	0.3436		1,864.1501	1,864.1501	0.4244		1,874.7607
Total	**0.8913**	**8.6561**	**10.7720**	**0.0194**	**0.0000**	**0.3652**	**0.3652**	**0.0000**	**0.3436**	**0.3436**		**1,864.1501**	**1,864.1501**	**0.4244**		**1,874.7607**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Utilities By-Pass and Interim Housing - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2461	0.1499	2.2818	7.3900e-003	0.9836	4.7900e-003	0.9884	0.2609	4.4000e-003	0.2653		746.5273	746.5273	0.0160	0.0173	752.0776
Total	**0.2461**	**0.1499**	**2.2818**	**7.3900e-003**	**0.9836**	**4.7900e-003**	**0.9884**	**0.2609**	**4.4000e-003**	**0.2653**		**746.5273**	**746.5273**	**0.0160**	**0.0173**	**752.0776**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2226	0.9646	12.1765	0.0194		0.0297	0.0297		0.0297	0.0297	0.0000	1,864.1501	1,864.1501	0.4244		1,874.7607
Total	**0.2226**	**0.9646**	**12.1765**	**0.0194**	**0.0000**	**0.0297**	**0.0297**	**0.0000**	**0.0297**	**0.0297**	**0.0000**	**1,864.1501**	**1,864.1501**	**0.4244**		**1,874.7607**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Utilities By-Pass and Interim Housing - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2461	0.1499	2.2818	7.3900e-003	0.9836	4.7900e-003	0.9884	0.2609	4.4000e-003	0.2653		746.5273	746.5273	0.0160	0.0173	752.0776
Total	**0.2461**	**0.1499**	**2.2818**	**7.3900e-003**	**0.9836**	**4.7900e-003**	**0.9884**	**0.2609**	**4.4000e-003**	**0.2653**		**746.5273**	**746.5273**	**0.0160**	**0.0173**	**752.0776**

3.3 Demolition of Existing Structures - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2236	0.0000	0.2236	0.0339	0.0000	0.0339			0.0000			0.0000
Off-Road	2.4309	24.3287	20.1530	0.0424		1.0007	1.0007		0.9281	0.9281		4,095.0489	4,095.0489	1.1588		4,124.0193
Total	**2.4309**	**24.3287**	**20.1530**	**0.0424**	**0.2236**	**1.0007**	**1.2243**	**0.0339**	**0.9281**	**0.9620**		**4,095.0489**	**4,095.0489**	**1.1588**		**4,124.0193**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Demolition of Existing Structures - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.3000e-004	0.0483	0.0140	2.1000e-004	6.7200e-003	3.3000e-004	7.0600e-003	1.8400e-003	3.2000e-004	2.1600e-003		22.7666	22.7666	1.5200e-003	3.6300e-003	23.8850
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2328	0.1371	2.1566	7.1800e-003	0.9836	4.4900e-003	0.9881	0.2609	4.1300e-003	0.2650		725.5676	725.5676	0.0146	0.0164	730.8240
Total	**0.2335**	**0.1854**	**2.1706**	**7.3900e-003**	**0.9904**	**4.8200e-003**	**0.9952**	**0.2627**	**4.4500e-003**	**0.2672**		**748.3342**	**748.3342**	**0.0161**	**0.0200**	**754.7090**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0872	0.0000	0.0872	0.0132	0.0000	0.0132			0.0000			0.0000
Off-Road	0.5047	2.1872	23.8690	0.0424		0.0673	0.0673		0.0673	0.0673	0.0000	4,095.0489	4,095.0489	1.1588		4,124.0193
Total	**0.5047**	**2.1872**	**23.8690**	**0.0424**	**0.0872**	**0.0673**	**0.1545**	**0.0132**	**0.0673**	**0.0805**	**0.0000**	**4,095.0489**	**4,095.0489**	**1.1588**		**4,124.0193**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Demolition of Existing Structures - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.3000e-004	0.0483	0.0140	2.1000e-004	6.7200e-003	3.3000e-004	7.0600e-003	1.8400e-003	3.2000e-004	2.1600e-003		22.7666	22.7666	1.5200e-003	3.6300e-003	23.8850
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2328	0.1371	2.1566	7.1800e-003	0.9836	4.4900e-003	0.9881	0.2609	4.1300e-003	0.2650		725.5676	725.5676	0.0146	0.0164	730.8240
Total	**0.2335**	**0.1854**	**2.1706**	**7.3900e-003**	**0.9904**	**4.8200e-003**	**0.9952**	**0.2627**	**4.4500e-003**	**0.2672**		**748.3342**	**748.3342**	**0.0161**	**0.0200**	**754.7090**

3.4 Development of New Structures - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9495	8.5736	12.8267	0.0212		0.3591	0.3591		0.3474	0.3474		1,996.9736	1,996.9736	0.2723		2,003.7802
Total	**0.9495**	**8.5736**	**12.8267**	**0.0212**		**0.3591**	**0.3591**		**0.3474**	**0.3474**		**1,996.9736**	**1,996.9736**	**0.2723**		**2,003.7802**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0225	0.9067	0.3298	4.0600e-003	0.1537	4.9000e-003	0.1586	0.0442	4.6900e-003	0.0489		440.2385	440.2385	0.0174	0.0642	459.8189
Worker	0.2328	0.1371	2.1566	7.1800e-003	0.9836	4.4900e-003	0.9881	0.2609	4.1300e-003	0.2650		725.5676	725.5676	0.0146	0.0164	730.8240
Total	**0.2552**	**1.0438**	**2.4864**	**0.0112**	**1.1373**	**9.3900e-003**	**1.1467**	**0.3051**	**8.8200e-003**	**0.3139**		**1,165.8060**	**1,165.8060**	**0.0320**	**0.0807**	**1,190.6429**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2168	0.9394	13.3682	0.0212		0.0289	0.0289		0.0289	0.0289	0.0000	1,996.9736	1,996.9736	0.2723		2,003.7802
Total	**0.2168**	**0.9394**	**13.3682**	**0.0212**		**0.0289**	**0.0289**		**0.0289**	**0.0289**	**0.0000**	**1,996.9736**	**1,996.9736**	**0.2723**		**2,003.7802**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0225	0.9067	0.3298	4.0600e-003	0.1537	4.9000e-003	0.1586	0.0442	4.6900e-003	0.0489		440.2385	440.2385	0.0174	0.0642	459.8189
Worker	0.2328	0.1371	2.1566	7.1800e-003	0.9836	4.4900e-003	0.9881	0.2609	4.1300e-003	0.2650		725.5676	725.5676	0.0146	0.0164	730.8240
Total	**0.2552**	**1.0438**	**2.4864**	**0.0112**	**1.1373**	**9.3900e-003**	**1.1467**	**0.3051**	**8.8200e-003**	**0.3139**		**1,165.8060**	**1,165.8060**	**0.0320**	**0.0807**	**1,190.6429**

3.4 Development of New Structures - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9495	8.5736	12.8267	0.0212		0.3591	0.3591		0.3474	0.3474		1,996.9736	1,996.9736	0.2723		2,003.7802
Total	**0.9495**	**8.5736**	**12.8267**	**0.0212**		**0.3591**	**0.3591**		**0.3474**	**0.3474**		**1,996.9736**	**1,996.9736**	**0.2723**		**2,003.7802**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0221	0.9010	0.3275	3.9800e-003	0.1537	4.8800e-003	0.1585	0.0442	4.6700e-003	0.0489		431.8210	431.8210	0.0175	0.0631	451.0531
Worker	0.2205	0.1263	2.0524	6.9900e-003	0.9836	4.1800e-003	0.9878	0.2609	3.8500e-003	0.2647		707.0217	707.0217	0.0134	0.0157	712.0323
Total	**0.2426**	**1.0273**	**2.3798**	**0.0110**	**1.1373**	**9.0600e-003**	**1.1464**	**0.3051**	**8.5200e-003**	**0.3136**		**1,138.8427**	**1,138.8427**	**0.0309**	**0.0788**	**1,163.0854**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2168	0.9394	13.3682	0.0212		0.0289	0.0289		0.0289	0.0289	0.0000	1,996.9736	1,996.9736	0.2723		2,003.7802
Total	**0.2168**	**0.9394**	**13.3682**	**0.0212**		**0.0289**	**0.0289**		**0.0289**	**0.0289**	**0.0000**	**1,996.9736**	**1,996.9736**	**0.2723**		**2,003.7802**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0221	0.9010	0.3275	3.9800e-003	0.1537	4.8800e-003	0.1585	0.0442	4.6700e-003	0.0489		431.8210	431.8210	0.0175	0.0631	451.0531
Worker	0.2205	0.1263	2.0524	6.9900e-003	0.9836	4.1800e-003	0.9878	0.2609	3.8500e-003	0.2647		707.0217	707.0217	0.0134	0.0157	712.0323
Total	**0.2426**	**1.0273**	**2.3798**	**0.0110**	**1.1373**	**9.0600e-003**	**1.1464**	**0.3051**	**8.5200e-003**	**0.3136**		**1,138.8427**	**1,138.8427**	**0.0309**	**0.0788**	**1,163.0854**

3.4 Development of New Structures - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9495	8.5736	12.8267	0.0212		0.3591	0.3591		0.3474	0.3474		1,996.9736	1,996.9736	0.2723		2,003.7802
Total	**0.9495**	**8.5736**	**12.8267**	**0.0212**		**0.3591**	**0.3591**		**0.3474**	**0.3474**		**1,996.9736**	**1,996.9736**	**0.2723**		**2,003.7802**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0217	0.8951	0.3255	3.9100e-003	0.1537	4.8500e-003	0.1585	0.0442	4.6400e-003	0.0489		423.7134	423.7134	0.0175	0.0619	442.6092
Worker	0.2085	0.1169	1.9602	6.8300e-003	0.9836	3.9000e-003	0.9875	0.2609	3.5900e-003	0.2645		690.5136	690.5136	0.0124	0.0151	695.3120
Total	**0.2302**	**1.0120**	**2.2857**	**0.0107**	**1.1373**	**8.7500e-003**	**1.1460**	**0.3051**	**8.2300e-003**	**0.3133**		**1,114.2269**	**1,114.2269**	**0.0299**	**0.0770**	**1,137.9212**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2168	0.9394	13.3682	0.0212		0.0289	0.0289		0.0289	0.0289	0.0000	1,996.9736	1,996.9736	0.2723		2,003.7802
Total	**0.2168**	**0.9394**	**13.3682**	**0.0212**		**0.0289**	**0.0289**		**0.0289**	**0.0289**	**0.0000**	**1,996.9736**	**1,996.9736**	**0.2723**		**2,003.7802**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Development of New Structures - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0217	0.8951	0.3255	3.9100e-003	0.1537	4.8500e-003	0.1585	0.0442	4.6400e-003	0.0489		423.7134	423.7134	0.0175	0.0619	442.6092
Worker	0.2085	0.1169	1.9602	6.8300e-003	0.9836	3.9000e-003	0.9875	0.2609	3.5900e-003	0.2645		690.5136	690.5136	0.0124	0.0151	695.3120
Total	**0.2302**	**1.0120**	**2.2857**	**0.0107**	**1.1373**	**8.7500e-003**	**1.1460**	**0.3051**	**8.2300e-003**	**0.3133**		**1,114.2269**	**1,114.2269**	**0.0299**	**0.0770**	**1,137.9212**

3.5 Removal of Temporary Buildings - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7926	27.4432	24.8293	0.0510		1.1438	1.1438		1.0665	1.0665		4,896.5832	4,896.5832	1.2713		4,928.3648
Paving	0.0435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.8361**	**27.4432**	**24.8293**	**0.0510**		**1.1438**	**1.1438**		**1.0665**	**1.0665**		**4,896.5832**	**4,896.5832**	**1.2713**		**4,928.3648**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Removal of Temporary Buildings - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2085	0.1169	1.9602	6.8300e-003	0.9836	3.9000e-003	0.9875	0.2609	3.5900e-003	0.2645		690.5136	690.5136	0.0124	0.0151	695.3120
Total	**0.2085**	**0.1169**	**1.9602**	**6.8300e-003**	**0.9836**	**3.9000e-003**	**0.9875**	**0.2609**	**3.5900e-003**	**0.2645**		**690.5136**	**690.5136**	**0.0124**	**0.0151**	**695.3120**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5911	2.5616	29.1980	0.0510		0.0788	0.0788		0.0788	0.0788	0.0000	4,896.5832	4,896.5832	1.2713		4,928.3648
Paving	0.0435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6346**	**2.5616**	**29.1980**	**0.0510**		**0.0788**	**0.0788**		**0.0788**	**0.0788**	**0.0000**	**4,896.5832**	**4,896.5832**	**1.2713**		**4,928.3648**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Removal of Temporary Buildings - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2085	0.1169	1.9602	6.8300e-003	0.9836	3.9000e-003	0.9875	0.2609	3.5900e-003	0.2645		690.5136	690.5136	0.0124	0.0151	695.3120
Total	**0.2085**	**0.1169**	**1.9602**	**6.8300e-003**	**0.9836**	**3.9000e-003**	**0.9875**	**0.2609**	**3.5900e-003**	**0.2645**		**690.5136**	**690.5136**	**0.0124**	**0.0151**	**695.3120**

3.6 Renovations/Remodeling - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.7940					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3707	2.9421	4.5538	7.9000e-003		0.1230	0.1230		0.1230	0.1230		748.7240	748.7240	0.0326		749.5395
Total	**3.1646**	**2.9421**	**4.5538**	**7.9000e-003**		**0.1230**	**0.1230**		**0.1230**	**0.1230**		**748.7240**	**748.7240**	**0.0326**		**749.5395**

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Renovations/Remodeling - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0217	0.8951	0.3255	3.9100e-003	0.1537	4.8500e-003	0.1585	0.0442	4.6400e-003	0.0489		423.7134	423.7134	0.0175	0.0619	442.6092
Worker	0.2085	0.1169	1.9602	6.8300e-003	0.9836	3.9000e-003	0.9875	0.2609	3.5900e-003	0.2645		690.5136	690.5136	0.0124	0.0151	695.3120
Total	**0.2302**	**1.0120**	**2.2857**	**0.0107**	**1.1373**	**8.7500e-003**	**1.1460**	**0.3051**	**8.2300e-003**	**0.3133**		**1,114.2269**	**1,114.2269**	**0.0299**	**0.0770**	**1,137.9212**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	2.7940					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0791	0.3426	4.8747	7.9000e-003		0.0105	0.0105		0.0105	0.0105	0.0000	748.7240	748.7240	0.0326		749.5395
Total	**2.8730**	**0.3426**	**4.8747**	**7.9000e-003**		**0.0105**	**0.0105**		**0.0105**	**0.0105**	**0.0000**	**748.7240**	**748.7240**	**0.0326**		**749.5395**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Renovations/Remodeling - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0217	0.8951	0.3255	3.9100e-003	0.1537	4.8500e-003	0.1585	0.0442	4.6400e-003	0.0489		423.7134	423.7134	0.0175	0.0619	442.6092
Worker	0.2085	0.1169	1.9602	6.8300e-003	0.9836	3.9000e-003	0.9875	0.2609	3.5900e-003	0.2645		690.5136	690.5136	0.0124	0.0151	695.3120
Total	**0.2302**	**1.0120**	**2.2857**	**0.0107**	**1.1373**	**8.7500e-003**	**1.1460**	**0.3051**	**8.2300e-003**	**0.3133**		**1,114.2269**	**1,114.2269**	**0.0299**	**0.0770**	**1,137.9212**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High School	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High School	16.60	8.40	6.90	77.80	17.20	5.00	75	19	6
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High School	0.539089	0.064361	0.187689	0.126009	0.023880	0.006823	0.012741	0.008481	0.000821	0.000481	0.025434	0.000757	0.003435
Parking Lot	0.539089	0.064361	0.187689	0.126009	0.023880	0.006823	0.012741	0.008481	0.000821	0.000481	0.025434	0.000757	0.003435

5.0 Energy Detail

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0195	0.1769	0.1486	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.2481	212.2481	4.0700e-003	3.8900e-003	213.5094
NaturalGas Unmitigated	0.0195	0.1769	0.1486	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.2481	212.2481	4.0700e-003	3.8900e-003	213.5094

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	1804.11	0.0195	0.1769	0.1486	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.2481	212.2481	4.0700e-003	3.8900e-003	213.5094
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0195**	**0.1769**	**0.1486**	**1.0600e-003**		**0.0134**	**0.0134**		**0.0134**	**0.0134**		**212.2481**	**212.2481**	**4.0700e-003**	**3.8900e-003**	**213.5094**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
High School	1.80411	0.0195	0.1769	0.1486	1.0600e-003		0.0134	0.0134		0.0134	0.0134		212.2481	212.2481	4.0700e-003	3.8900e-003	213.5094
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0195**	**0.1769**	**0.1486**	**1.0600e-003**		**0.0134**	**0.0134**		**0.0134**	**0.0134**		**212.2481**	**212.2481**	**4.0700e-003**	**3.8900e-003**	**213.5094**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4443	9.0000e-005	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0224	0.0224	6.0000e-005		0.0238
Unmitigated	1.4443	9.0000e-005	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0224	0.0224	6.0000e-005		0.0238

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1651					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.6000e-004	9.0000e-005	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0224	0.0224	6.0000e-005		0.0238
Total	**1.4443**	**9.0000e-005**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0224**	**0.0224**	**6.0000e-005**		**0.0238**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1651					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.2782					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.6000e-004	9.0000e-005	0.0104	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0224	0.0224	6.0000e-005		0.0238
Total	**1.4443**	**9.0000e-005**	**0.0104**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0224**	**0.0224**	**6.0000e-005**		**0.0238**

7.0 Water Detail

7.1 Mitigation Measures Water

James A. Garfield HS Major Modernization Project - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Carlberg ASSOCIATES

Horticulturists and
Registered Consulting
ARBORISTS

CITY OF LOS ANGELES TREE INVENTORY REPORT
JAMES A. GARFIELD HIGH SCHOOL
5101 EAST 6TH STREET
LOS ANGELES, CALIFORNIA 90022

SUBMITTED TO:

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AUGUST 10, 2022

TREE INVENTORY REPORT

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Carlberg ASSOCIATES

Horticulturists and
Registered Consulting
ARBORISTS

August 10, 2022

Hongjoo Kim, ASLA, Principal
Hongjoo Kim Landscape Architects
714 W. Olympic Blvd., Ste. 700
Los Angeles, CA 90015

Re: James A. Garfield High School, 5101 E 6th St., East Los Angeles, California 90022
City of Los Angeles Tree Report

Dear Mr. Kim,

This letter addresses our office's site visit on July 8, 2022, to the property at 5101 East 6th Street in Los Angeles, California. Carlberg Associates was retained to visit the property, inventory all qualifying private property trees and prepare a report in accordance with the City of Los Angeles' Tree Preservation Ordinance No. 186,873 (Chapter IV, Article 6 of the Los Angeles Municipal Code) and the guidelines set forth by the City of Los Angeles Planning Department. Protected trees and shrubs as set forth in the Ordinance are coast live oak, western sycamore, Southern California black walnut, California bay laurel, Mexican elderberry and toyon with trunk diameters (measured at 4.5 feet above grade) of 4 inches or greater. The Planning Division requires that all other trees with trunk diameters greater than 8 inches are included in the inventory, as well as any off-site trees whose canopies overhang the subject property.

The table on the following pages sets forth the data for the one hundred fifty-six (156) inventoried trees: all are private property trees. There were no right-of-way trees included in this inventory. There are no additional trees whose canopies overhang the project site. ***One (1) of the private property trees is considered protected by the City of Los Angeles' Tree Preservation Ordinance No. 186,873.*** By virtue of their trunk diameter size of eight inches and greater, seventy-one (71) private property trees are considered 'significant' as defined by the City's Planning Division.

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PROJECT RECOMMENDATIONS

In my professional opinion, the project can proceed if the following conditions are met:

- Missing tree tags should be replaced prior to demolition or commencement of any other site work.
- Any demolition, digging, excavating, or trenching within the protected zone of any protected tree to remain shall be monitored by a qualified arborist.
- The arborist report is part of the set of plans given to the contractor. The contractor should be familiar with the specific instructions and responsibilities pertaining to protected trees. It is recommended the District's arborist (or designee) meet with the contractor prior to commencement of construction on the project.
- Exposed roots to remain should be covered with wet burlap, carpet remnants or other material that may be kept moist until soil can be replaced.
- Any pruning, including dead wooding, should be performed in compliance with the latest ANSI pruning standards by an ISA certified arborist (or ISA certified tree worker).
- Tree pruning, and removals should occur outside of nesting bird season. If pruning and / or removals must occur during nesting bird season, all precautions related to State and Federal laws that protect nesting birds shall be adhered to.
- Hand-held equipment should be used for trenching for foundations, irrigation, and utility placement to avoid shattering and tearing roots. If feasible, substantial roots (those greater than 2 inches in diameter) shall be bridged or tunneled-under to avoid impacts to the root system.
- Equipment, materials, and vehicles shall not be stored, parked, or operated within the protected zone of the protected trees to remain.
- Equipment with overhead exhaust shall avoid the remaining trees to the extent feasible and shall not be placed in such a manner as to scorch overhanging branches or foliage of the remaining protected trees. Smaller equipment shall be used in such areas as deemed necessary by the District's arborist (or designee).
- Five (5) foot high chain link fencing shall be installed around remaining trees within the areas of potential impact. Trees to remain should be fenced to the limits of their driplines or to the maximum limits that existing hardscape to remain allows.
- A 'Warning' sign is prominently displayed on each protective enclosure. The sign will be a minimum of 8.5 inches x 11 inches and clearly state the following:

> TREE PROTECTION ZONE
> THIS FENCE SHALL NOT BE REMOVED
> Project Arborist: Carlberg Associates 310.451.4804 or 626.428.5072

Please feel welcome to contact me at our Santa Monica office if you have any immediate questions or concerns.

Respectfully submitted,

Cy Carlberg, Registered Consulting Arborist
Principal, Carlberg Associates

TABLE 1 – TREE INVENTORY DATA

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
1	purple-leaf plum	*Prunus cerasifera*	2.6	15	9/8/7/7	A-	B+	No	staked, in cutout planter, remove tie
2	ginkgo	*Ginkgo biloba*	3.2	15	8/7/3/8	B+	B-	No	staked, well rooted, can remove stakes, canopy unbalanced to north
3	Mexican palo verde	*Parkinsonia aculeata*	1.4	12	7/3/3/3	B-	B-	No	staked, in cutout planter, some top dieback, reinforce stakes
4	Mexican palo verde	*Parkinsonia aculeata*	7.4	22	13/13/15/20	B	B	No	in cutout planter, minor dieback, MPE, trunk beginning to grow around metal grate
5	Mexican bird of paradise	*Caesalpinia mexicana*	3.5, 3.3	16	8/3/12/11	A-	B+	No	pruned for building clearance, trunks lean west
6	king palm	*Archontophoenix alexandrae*	9 (BT-13')	20	7/7/7/7	A	B+	No	growing into canopy of adjacent palm
7	king palm	*Archontophoenix alexandrae*	10 (BT-14')	22	7/7/7/7	A	B+	No	growing into canopy of adjacent palm
8	Mexican bird of paradise	*Caesalpinia mexicana*	3.2, 4.3	15	15/6/10/12	B+	B+	No	partially shaded out
9	king palm	*Archontophoenix alexandrae*	8 (BT-14')	22	8/8/8/8	A	B+	No	growing into canopy of adjacent palm
10	Mexican bird of paradise	*Caesalpinia mexicana*	2.6	14	10/0/0/12	A-	B	No	partially shaded out
11	Mexican bird of paradise	*Caesalpinia mexicana*	3.1, 3	15	0/0/15/16	B+	B-	No	unbalanced to southwest, mechanical damage on trunk

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
12	king palm	*Archontophoenix alexandrae*	7, 8, 9 (BT-12, 12, 12')	20	8/8/9/9	A	B	No	trunks together at base
13	Mexican bird of paradise	*Caesalpinia mexicana*	3.7, 3.9	15	12/4/4/15	A	B+	No	trunk leans north, MPE
14	chitalpa	*x Chitalpa tashkentensis*	4.2	16	0/6/12/10	B	B	No	a bit sparse, MPE, trunk leans southwest
15	king palm	*Archontophoenix alexandrae*	7, 7, 7 (BT-12, 12, 12')	20	8/6/8/8	B	B	No	trunks together at base, some fronds browning
16	Mexican bird of paradise	*Caesalpinia mexicana*	3, 3.4, 3.4	18	10/5/15/10	B+	B+	Significant	pruned for building clearance
17	Mexican bird of paradise	*Caesalpinia mexicana*	3.1	16	0/4/8/11	B+	B+	No	pruned for building clearance
18	Mexican bird of paradise	*Caesalpinia mexicana*	3	18	3/4/10/6	B+	B+	No	pruned for building clearance
19	Mexican bird of paradise	*Caesalpinia mexicana*	3, 3.3, 4.4	20	16/5/10/12	A-	B+	Significant	pruned for building clearance
20	purple-leaf plum	*Prunus cerasifera*	2.3	14	5/6/6/6	A	B+	No	staked
21	tipu	*Tipuana tipu*	10	22	12/22/21/17	A-	B	Significant	MPE, trunk leans southeast
22	tipu	*Tipuana tipu*	10.9	25	15/20/25/17	A-	B	Significant	MPE, trunk leans southeast
23	tipu	*Tipuana tipu*	11	28	17/20/18/13	A-	B	Significant	MPE, trunk leans slightly southeast, pruned for building clearance

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
24	weeping bottlebrush	*Callistemon viminalis*	3.7	20	6/6/4/6	B+	B+	No	slightly sparse
25	weeping bottlebrush	*Callistemon viminalis*	4.3	20	6/10/7/6	B+	B+	No	slightly sparse
26	weeping bottlebrush	*Callistemon viminalis*	4.2	20	5/12/8/3	B+	B+	No	slightly sparse
27	Mexican fan palm	*Washingtonia robusta*	12 (BT-50')	55	5/7/9/10	B	B+	Significant	multiple dead fronds, slightly unbalanced trunk
28	crape myrtle	*Lagerstroemia indica*	5.3	18	10/10/10/10	A-	B+	No	overhangs public sidewalk
29	crape myrtle	*Lagerstroemia indica*	5.4	15	6/6/8/6	A-	B+	No	overhangs public sidewalk
30	crape myrtle	*Lagerstroemia indica*	6.3	16	8/12/10/10	A-	B+	No	overhangs public sidewalk
31	crape myrtle	*Lagerstroemia indica*	6	18	10/11/6/8	A-	B+	No	overhangs public sidewalk
32	crape myrtle	*Lagerstroemia indica*	4.6	14	5/5/7/8	A-	B+	No	overhangs public sidewalk
33	crape myrtle	*Lagerstroemia indica*	7.4	20	8/9/9/9	A-	B+	No	overhangs public sidewalk
34	crape myrtle	*Lagerstroemia indica*	3	12	3/5/6/5	A-	B+	No	overhangs public sidewalk
35	crape myrtle	*Lagerstroemia indica*	6.4	16	8/8/8/8	A-	B+	No	overhangs public sidewalk

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
36	crape myrtle	*Lagerstroemia indica*	3.6	13	7/7/6/6	A-	B+	No	overhangs public sidewalk
37	chitalpa	*x Chitalpa tashkentensis*	5.8	16	12/12/10/10	B	B	No	recent fire damage under canopy, some leaves torched, no significant damage to tree, MPE
38	chitalpa	*x Chitalpa tashkentensis*	5.6	15	10/13/12/10	A-	B	No	mechanical damage on trunk
39	chitalpa	*x Chitalpa tashkentensis*	5.6	14	7/13/10/8	A-	B	No	mechanical damage on trunk, MPE, trunk leans east
40	chitalpa	*x Chitalpa tashkentensis*	2.4	10	6/7/5/6	A-	A-	No	
41	Mexican bird of paradise	*Caesalpinia mexicana*	1.4, 1.7, 2.2, 2, 2.3	15	6/8/8/6	A	B+	Significant	pruned for building clearance
42	chitalpa	*x Chitalpa tashkentensis*	4.3	14	8/5/10/13	A-	B	No	MPE, trunk leans west
43	Australian willow	*Geijera parviflora*	9.5	22	14/13/12/15	A	B+	Significant	MPE
44	Australian willow	*Geijera parviflora*	8.5	22	7/17/17/13	A	B+	Significant	MPE
45	Australian willow	*Geijera parviflora*	8	22	7/7/12/14	A	B+	Significant	MPE
46	Australian willow	*Geijera parviflora*	6.5	22	8/7/10/10	A	B	No	MPE, chain from bench engulfing trunk, trunk growing into metal crate
47	crape myrtle	*Lagerstroemia indica*	3.2	12	5/5/6/5	D	D	No	extensive dieback, in decline

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
48	Aleppo pine	*Pinus halepensis*	12.6	2	14/14/13/13	B	B+	Significant	MPE, some browning throughout
49	purple-leaf plum	*Prunus cerasifera*	2.5	12	7/6/5/9	A-	B	No	staked, no longer needs 3 stakes, MPE
50	carrotwood	*Cupaniopsis anacardioides*	16	20	12/13/14/14	B+	B	Significant	HOB, MPE, sidewalk uplift, roots pruned for sidewalk, mechanical damage on trunk, one large limb removed/failed
51	carrotwood	*Cupaniopsis anacardioides*	3.5, 3.6, 3.5	14	8/10/9/9	A-	B+	Significant	sunburn cankers on south trunk, small seam with decay
52	carrotwood	*Cupaniopsis anacardioides*	15.1	22	14/13/16/13	B	B	Significant	HOB, MPE, sidewalk uplift, roots pruned for sidewalk, mechanical damage on trunk
53	carrotwood	*Cupaniopsis anacardioides*	18	22	15/18/15/15	B	C+	Significant	seam on south trunk with decay, EG, MPE, HOB, multiple COD
54	Indian laurel fig	*Ficus microcarpa*	25.5	40	25/12/32/22	A	B	Significant	sidewalk uplift, MPE, some roots cut, exposed roots
55	Indian laurel fig	*Ficus microcarpa*	29.2	40	28/26/28/25	A	B	Significant	sidewalk uplift, MPE, some roots cut, exposed roots
56	Indian laurel fig	*Ficus microcarpa*	24.2	35	27/25/25/25	A	B	Significant	sidewalk uplift, MPE, some roots cut, exposed roots
57	Indian laurel fig	*Ficus microcarpa*	27.1	40	22/27/32/28	A	B	Significant	sidewalk uplift, MPE, some roots cut, exposed roots, partially shaded out
58	Indian laurel fig	*Ficus microcarpa*	35.7	35	27/35/35/17	A	B	Significant	exposed roots, roots pruned for sidewalk, sidewalk uplift, growing into canopy of adjacent tree
59	carrotwood	*Cupaniopsis anacardioides*	16.1	20	15/12/14/15	B	B	Significant	MPE, some dieback throughout, EG

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
60	carrotwood	*Cupaniopsis anacardioides*	9, 9.2	22	14/14/16/17	A	B	Significant	codoms at base, MPE
61	Canary Island pine	*Pinus canariensis*	26.2	50	20/18/18/10	B+	B+	Significant	EG, MPE, minor dieback
62	Canary Island pine	*Pinus canariensis*	24.2	50	15/12/15/18	B+	B+	Significant	EG, MPE, minor dieback
63	Mexican fan palm	*Washingtonia robusta*	12, 12 (BT-40, 55')	60	7/7/7/7	A	B	Significant	codoms at base, some dead fronds
64	Mexican fan palm	*Washingtonia robusta*	12, 12 (BT-40, 55')	60	7/7/7/7	A	B	Significant	codoms at base, some dead fronds
65	Mexican fan palm	*Washingtonia robusta*	12, 12 (BT-55, 60')	65	7/7/7/7	A	B	Significant	codoms at base, some dead fronds
66	edible fig	*Ficus carica*	7.8	20	6/7/9/9	A-	B	No	cavity with decay
67	jacaranda	*Jacaranda mimosifolia*	19.2	22	21/15/23/21	B	B	Significant	small cavities, some topping cuts
68	Canary Island pine	*Pinus canariensis*	35	55	24/16/24/20	B+	B+	Significant	MPE, HOB, concrete brick uplift
69	ginkgo	*Ginkgo biloba*	11.9	20	15/10/14/15	A	B+	Significant	
70	American sweetgum	*Liquidambar styraciflua*	8.2	25	10/10/15/10	A	B	Significant	trunk buried, MPE
71	weeping bottlebrush	*Callistemon viminalis*	14	22	18/2/12/20	B	B-	Significant	seam at base of trunk, unbalanced to northwest, MPE, some dieback throughout

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
72	weeping fig	*Ficus benjamina*	12.2, 16.2	25	23/25/20/25	A-	B+	Significant	MPE
73	weeping bottlebrush	*Callistemon viminalis*	13.2	25	17/22/10/10	B	B	Significant	MPE, some exposed roots, a bit sparse
74	carrotwood	*Cupaniopsis anacardioides*	12.9	22	15/13/17/18	B-	B	Significant	some interior and top dieback, mechanical damage on trunk
75	American sweetgum	*Liquidambar styraciflua*	13.4	20	16/7/8/16	B-	B-	Significant	some topping cuts, top dieback, EG, moderate dieback throughout
76	Chinese elm	*Ulmus parvifolia*	6.3	20	15/15/18/15	A	B	No	in lifted planter, trunk buried, EG, MPE
77	Australian willow	*Geijera parviflora*	5.4	18	10/10/10/10	B+	B+	No	in lifted planter, trunk buried
78	Chinese elm	*Ulmus parvifolia*	5.1	16	12/15/15/12	A-	B	No	staked, stakes can be removed, MPE, slight lean southwest
79	jacaranda	*Jacaranda mimosifolia*	5.7	15	8/7/12/15	B	B	No	in lifted planter, trunk buried, a bit sparse
80	Brazilian pepper	*Schinus terebinthifolia*	21.6	32	40/36/30/30	B	B-	Significant	minor dieback, some exposed roots, minor dieback, cross branches, some decay at base, MPE
81	carrotwood	*Cupaniopsis anacardioides*	9.8	20	15/15/15/15	A	B+	Significant	partially shaded out, MPE
82	Brazilian pepper	*Schinus terebinthifolia*	25.7	35	30/32/39/28	A-	B	Significant	MPE, EG, cavity with decay at base, some exposed roots, some large limbs failed/removed
83	carrotwood	*Cupaniopsis anacardioides*	11.5	22	12/15/15/15	A	B+	Significant	MPE

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
84	American sweetgum	*Liquidambar styraciflua*	7.1	18	10/8/10/6	C	C	No	extensive dieback, top canopy dieback, some deadwood, EG
85	Hong Kong orchid	*Bauhinia × blakeana*	8.9	16	15/12/12/10	C+	B-	No	moderate dieback, upper canopy dieback
86	Western sycamore	*Platanus racemosa*	21.5	40	25/21/30/28	B	B	Protected	some dieback throughout, exudation on trunk, CLPD
87	Australian willow	*Geijera parviflora*	7.2	20	15/13/14/12	A	B+	No	in lifted planter, trunk buried
88	jacaranda	*Jacaranda mimosifolia*	5.9	18	7/7/9/7	A-	B	No	rubber tie embedded at codoms, in lifted planter, MPE
89	Mediterranean fan palm	*Chamaerops humilis*	8 (BT-12')	16	0/6/7/3	A	B	No	trunk leans southeast
90	Mediterranean fan palm	*Chamaerops humilis*	8 (BT-12')	16	3/5/3/3	A	B+	No	
91	fern pine	*Afrocarpus gracilior*	5.3	18	5/15/7/0	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
92	lemon-scented gum	*Corymbia citriodora*	21.2	45	24/22/24/25	B+	B+	Significant	pruned for building clearance, MPE, growing into canopy of adjacent tree
93	fern pine	*Afrocarpus gracilior*	5.5	16	0/21/0/0	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree, leans east
94	fern pine	*Afrocarpus gracilior*	6.5	20	4/18/5/4	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
95	fern pine	*Afrocarpus gracilior*	6.9, 6.8	22	8/16/5/4	B+	B+	Significant	pruned for building clearance, MPE, growing into canopy of adjacent tree

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
96	fern pine	*Afrocarpus gracilior*	6.8	15	9/18/4/5	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
97	fern pine	*Afrocarpus gracilior*	8	25	4/15/0/4	B+	B+	Significant	pruned for building clearance, MPE, growing into canopy of adjacent tree
98	fern pine	*Afrocarpus gracilior*	7.4	18	0/20/4/0	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
99	fern pine	*Afrocarpus gracilior*	4.1	12	3/6/5/2	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
100	fern pine	*Afrocarpus gracilior*	5.3	16	5/9/0/0	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
101	fern pine	*Afrocarpus gracilior*	6.5	16	5/10/3/2	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
102	lemon-scented gum	*Corymbia citriodora*	11.9	40	0/0/30/0	A-	B+	Significant	pruned for building clearance, MPE, growing into canopy of adjacent tree
103	fern pine	*Afrocarpus gracilior*	4.4	15	5/10/7/4	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
104	fern pine	*Afrocarpus gracilior*	3.7	14	4/6/6/4	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
105	lemon-scented gum	*Corymbia citriodora*	19.6	50	18/30/22/24	A-	B+	Significant	pruned for building clearance, MPE, growing into canopy of adjacent tree
106	fern pine	*Afrocarpus gracilior*	4.7	15	0/10/7/0	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
107	fern pine	*Afrocarpus gracilior*	5.3	15	0/8/7/0	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
108	fern pine	*Afrocarpus gracilior*	6	20	0/14/7/4	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
109	fern pine	*Afrocarpus gracilior*	7.1	20	15/18/4/5	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
110	fern pine	*Afrocarpus gracilior*	4.2	14	4/7/2/2	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
111	fern pine	*Afrocarpus gracilior*	4.3	14	8/6/5/5	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
112	fern pine	*Afrocarpus gracilior*	6.1	14	5/6/5/10	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
113	fern pine	*Afrocarpus gracilior*	4.8	15	2/8/7/5	B+	B+	No	pruned for building clearance, MPE, growing into canopy of adjacent tree
114	fern pine	*Afrocarpus gracilior*	9.6	18	23/9/6/15	B+	B+	Significant	pruned for building clearance, MPE, growing into canopy of adjacent tree
115	lemon-scented gum	*Corymbia citriodora*	20.5	50	15/20/24/17	A-	B+	Significant	pruned for building clearance, MPE, growing into canopy of adjacent tree
116	fern pine	*Afrocarpus gracilior*	9.3	20	14/22/10/5	B+	B+	Significant	pruned for building clearance, MPE, growing into canopy of adjacent tree
117	paperbark	*Melaleuca quinquenervia*	5.8, 10.9, 8.1, 8.3	25	6/17/17/8	B-	B-	Significant	in raised planter, codoms at base, three trunks cut/failed, a bit sparse, moderate dieback
118	weeping bottlebrush	*Callistemon viminalis*	14.4	30	15/15/13/8	A	B+	Significant	MPE
119	weeping bottlebrush	*Callistemon viminalis*	18.9	30	18/9/12/12	A	B+	Significant	MPE
120	crape myrtle	*Lagerstroemia indica*	5.7	16	10/10/10/10	B+	B	No	weed wacker damage at base
121	crape myrtle	*Lagerstroemia indica*	12	18	15/13/12/14	A	B+	Significant	weed wacker damage at base, seam on trunk at base
122	crape myrtle	*Lagerstroemia indica*	2.6, 3.7, 2.9	16	10/10/10/12	B+	B	Significant	weed wacker damage at base, decay at base

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
123	crape myrtle	*Lagerstroemia indica*	3.3, 2.7, 2.8	16	8/6/12/10	B	C+	Significant	weed wacker damage at base, one trunk cut, one trunk mostly dead
124	crape myrtle	*Lagerstroemia indica*	3.1, 4, 3.4	18	10/8/10/12	B+	B	Significant	weed wacker damage at base
125	crape myrtle	*Lagerstroemia indica*	1.8, 2.5	12	8/7/10/8	B+	B	No	weed wacker damage at base
126	crape myrtle	*Lagerstroemia indica*	2.6, 1.2, 1.1, 1.6	12	4/5/7/7	B+	B	No	weed wacker damage at base, decay on biggest trunk, diameters measured low at 2 feet
127	crape myrtle	*Lagerstroemia indica*	1.8, 1.8, 2, 2	14	7/7/7/7	B+	B	No	weed wacker damage at base
128	carrotwood	*Cupaniopsis anacardioides*	13.7	22	13/13/15/15	A	B+	Significant	mechanical damage on trunk, MPE
129	carrotwood	*Cupaniopsis anacardioides*	20.7	25	15/17/17/15	A	B+	Significant	mechanical damage on trunk, MPE, EG, trunk surrounded by concrete
130	crape myrtle	*Lagerstroemia indica*	4, 3.4, 3.7, 3, 2.8, 3.4, 3.1, 4.5, 4.6	20	7/8/7/8	A-	B	Significant	codoms at base, HOB, EG
131	crape myrtle	*Lagerstroemia indica*	5.2	16	6/8/10/8	A-	B+	No	weed wacker damage at base
132	queen palm	*Syagrus romanzoffiana*	9 (BT-13')	22	12/12/12/12	A	B+	No	
133	Hollywood juniper	*Juniperus chinensis* `Torulosa`	10.5	16	7/7/7/7	A	B	Significant	pruned for building clearance
134	Hollywood juniper	*Juniperus chinensis* `Torulosa`	7.6	15	7/8/6/5	A	B	No	pruned for building clearance
135	Hollywood juniper	*Juniperus chinensis* `Torulosa`	5.5	14	6/9/3/0	A	B	No	pruned for building clearance
136	Hollywood juniper	*Juniperus chinensis* `Torulosa`	3.3, 8.7	15	8/10/6/2	A	C+	Significant	pruned for building clearance, large COD on trunk

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
137	Hollywood juniper	*Juniperus chinensis* `Torulosa`	4.4, 7.2	15	7/10/8/0	A	B	Significant	pruned for building clearance
138	Hollywood juniper	*Juniperus chinensis* `Torulosa`	4.5	10	0/7/0/0	A	B	No	pruned for building clearance
139	king palm	*Archontophoenix alexandrae*	7, 8 (BT-5, 8')	16	7/5/7/9	A-	B+	No	codoms at base
140	king palm	*Archontophoenix alexandrae*	7, 8 (BT-6, 6')	15	8/7/8/8	A-	B+	No	codoms at base, growing into canopy of adjacent tree
141	Hollywood juniper	*Juniperus chinensis* `Torulosa`	1.3, 3.4, 3.8	14	5/5/5/5	A	B	Significant	
142	Hollywood juniper	*Juniperus chinensis* `Torulosa`	4	15	5/5/5/5	A	B	No	pruned for building clearance
143	queen palm	*Syagrus romanzoffiana*	8 (BT-18')	25	12/12/7/8	A	B+	Significant	some fronds hitting building
144	queen palm	*Syagrus romanzoffiana*	8 (BT-16')	22	12/12/12/8	A	B+	Significant	some fronds hitting building
145	queen palm	*Syagrus romanzoffiana*	9 (BT-14')	20	10/10/10/8	A	B+	No	some fronds hitting building, trunk is painted
146	paperbark	*Melaleuca quinquenervia*	14.7, 10.8	30	7/13/12/7	A-	B	Significant	HOB, MPE, codoms at base, some large limbs failed/removed
147	Australian willow	*Geijera parviflora*	4	16	6/7/5/4	A-	B-	No	staked, sun burned, trunk leans northeast
148	Australian willow	*Geijera parviflora*	4.1	16	7/7/7/7	A	B+	No	
149	paperbark	*Melaleuca quinquenervia*	19.6	35	10/14/13/17	A-	B	Significant	trunk cut, pruned for building clearance, MPE, HOB
150	king palm	*Archontophoenix alexandrae*	8 (BT-14')	20	6/6/6/6	B	B	No	partially shaded out, a bit sparse

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	Protected or Significant Tree	Comments
151	Australian willow	*Geijera parviflora*	10.5	20	10/14/14/9	A-	B	Significant	one large tear, MPE
152	Australian willow	*Geijera parviflora*	9.6	20	12/10/14/10	A-	B+	Significant	MPE
153	Australian willow	*Geijera parviflora*	9.7	20	10/14/13/12	A	B+	Significant	MPE
154	Australian willow	*Geijera parviflora*	10.7	20	12/12/12/12	A	B+	Significant	MPE
155	Australian willow	*Geijera parviflora*	7.1	20	10/10/10/10	A	B+	No	MPE
156	Australian willow	*Geijera parviflora*	9.3	22	10/10/10/10	A	B+	Significant	MPE

DBH – Diameter at breast height. A forestry term used to describe a tree's trunk diameter measured at 4.5 feet above grade. Often used as a representation of tree size.

BT – Brown trunk (height) - Since palm trunks do not generally increase in diameter with age, they are described by their brown trunk height (the distance between grade and the newest emerging spear).

HOB – History of breakage

MPE – Multiple pruning events

COD – Column of decay

CLPD – Common leaf pests/diseases

EG – Epicormic growth

EXHIBIT A – AERIAL IMAGE OF SUBJECT PROPERTY
(BORDERED IN RED – Source: Bing Maps)

Not to Scale

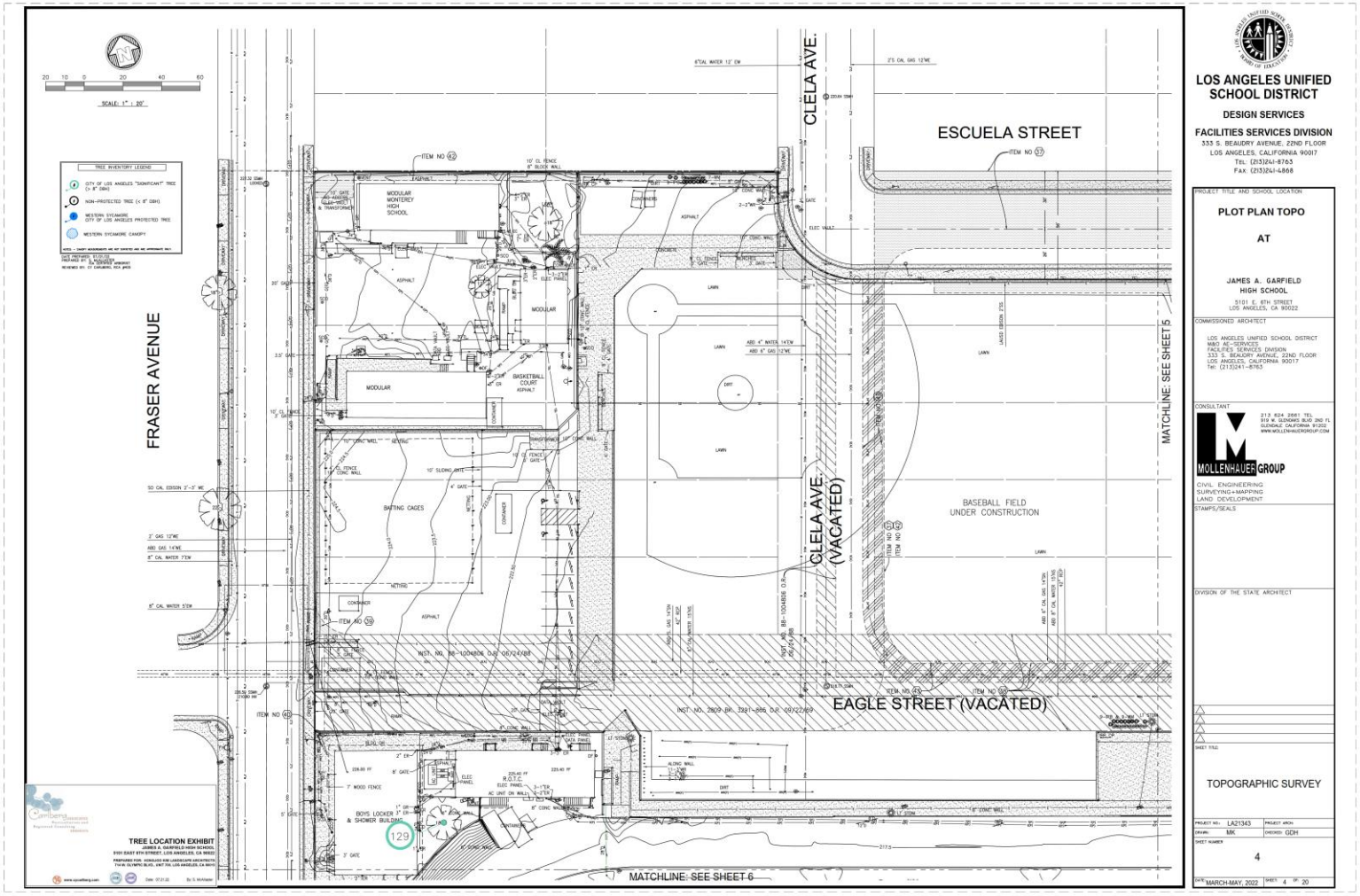
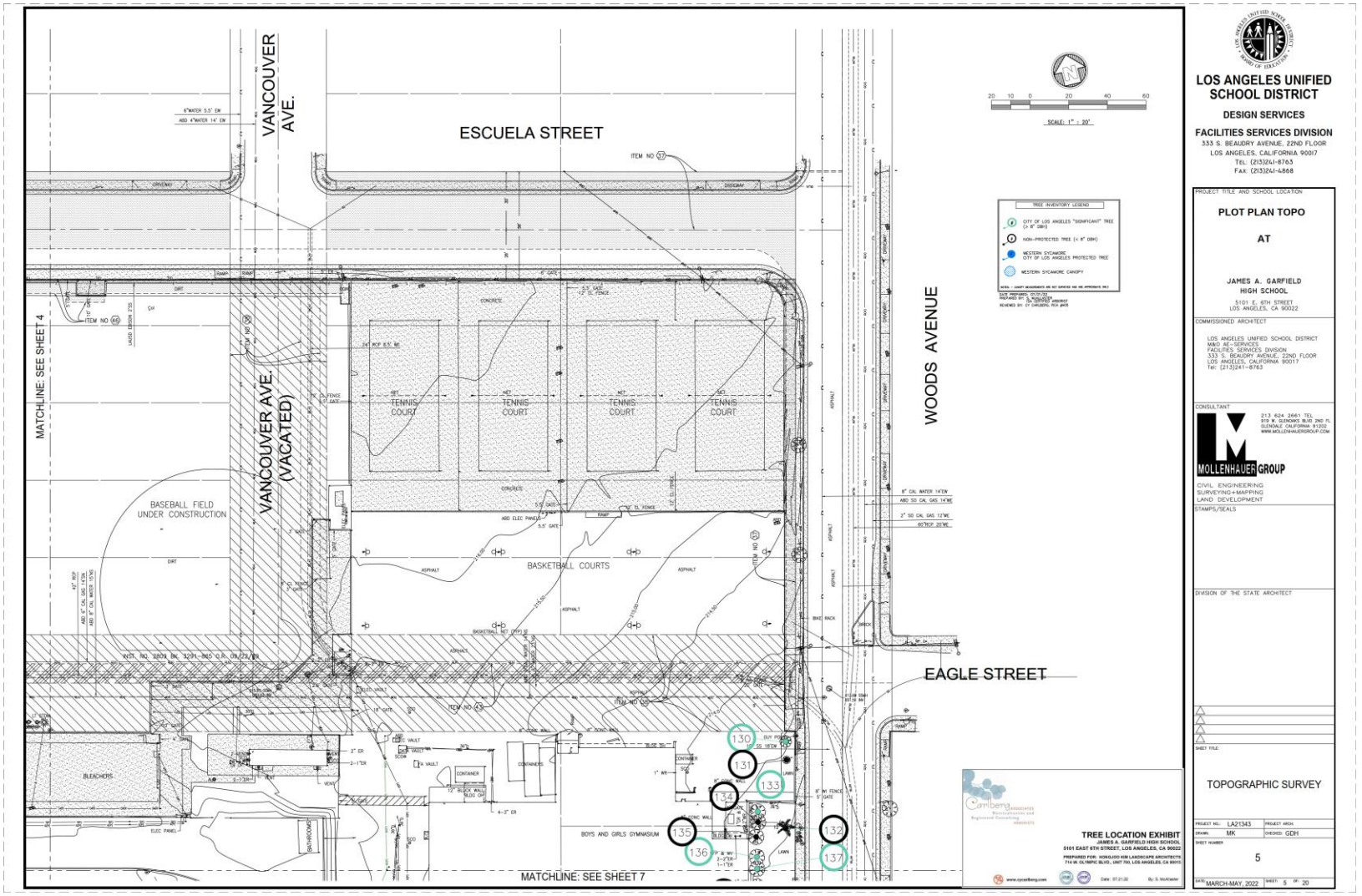
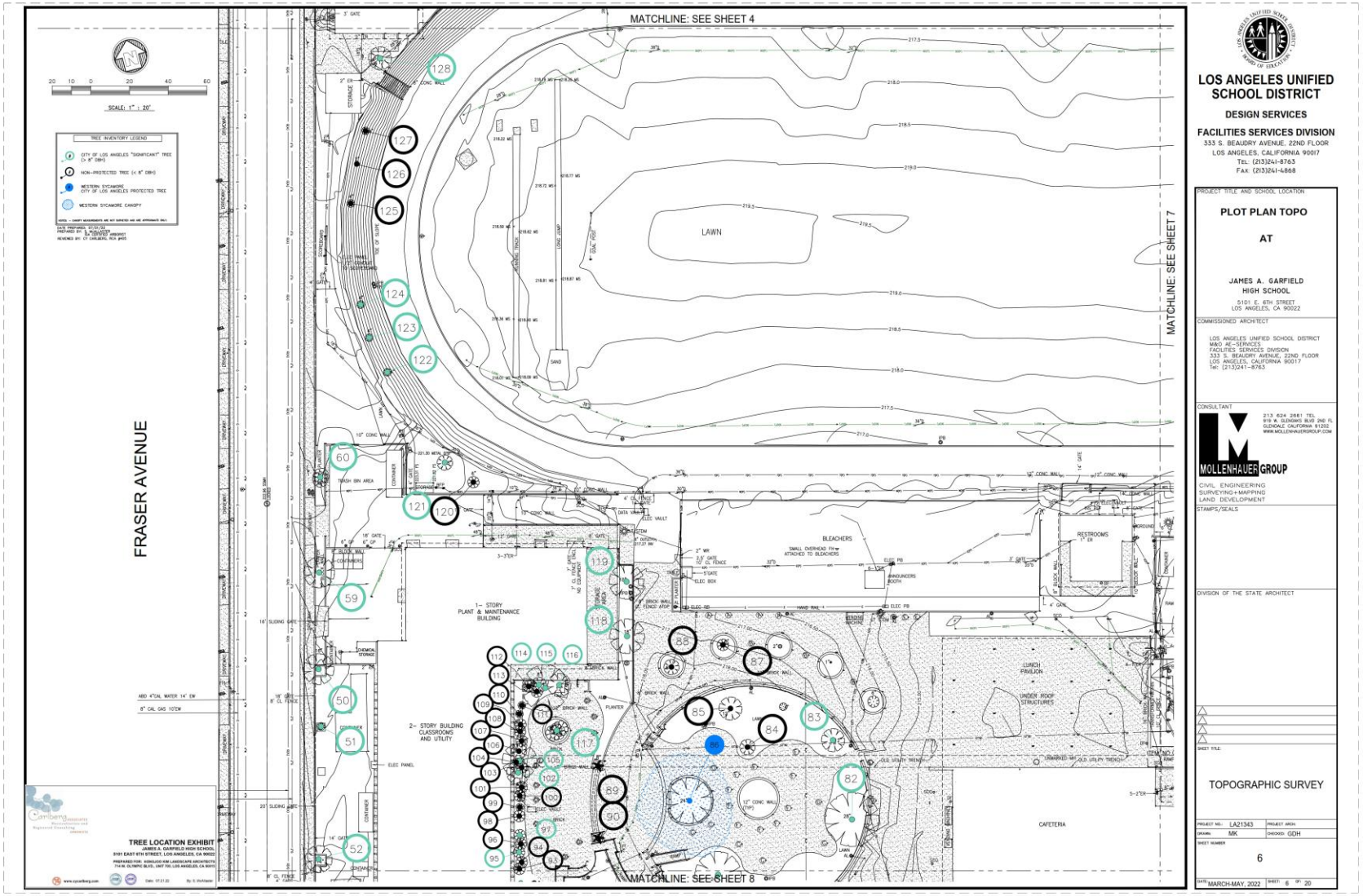


EXHIBIT B – REDUCED COPY OF TREE LOCATION EXHIBIT
6 SHEETS (NOT TO SCALE)


ESCUELA STREET
VANCOUVER AVE.
VANCOUVER AVE. (VACATED)
WOODS AVENUE
EAGLE STREET
MATCHLINE: SEE SHEET 4
MATCHLINE: SEE SHEET 7
BASEBALL FIELD UNDER CONSTRUCTION
TENNIS COURT
BASKETBALL COURTS
BOYS AND GIRLS GYMNASIUM
BLEACHERS
LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-8763
FAX: (213)241-6868
PLOT PLAN TOPO
AT
JAMES A. GARFIELD HIGH SCHOOL
5101 E. 6TH STREET
LOS ANGELES, CA 90022
MOLLENHAUER GROUP
CIVIL ENGINEERING
SURVEYING+MAPPING
LAND DEVELOPMENT
TOPOGRAPHIC SURVEY
TREE LOCATION EXHIBIT
JAMES A. GARFIELD HIGH SCHOOL
5101 EAST 6TH STREET, LOS ANGELES, CA 90022
MARCH-MAY, 2022
5


MATCHLINE: SEE SHEET 4
MATCHLINE: SEE SHEET 7
MATCHLINE: SEE SHEET 8
FRASER AVENUE
LAWN
SAND
BLEACHERS
RESTROOMS
1-- STORY PLANT & MAINTENANCE BUILDING
2-- STORY BUILDING CLASSROOMS AND UTILITY
LUNCH PAVILION
UNDER ROOF STRUCTURES
CAFETERIA
TREE LOCATION EXHIBIT
JAMES A. GARFIELD HIGH SCHOOL
5101 EAST 6TH STREET, LOS ANGELES, CA 90022
LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-8763
FAX: (213)241-4868
PROJECT TITLE AND SCHOOL LOCATION
PLOT PLAN TOPO
AT
JAMES A. GARFIELD HIGH SCHOOL
5101 E. 6TH STREET
LOS ANGELES, CA 90022
COMMISSIONED ARCHITECT
LOS ANGELES UNIFIED SCHOOL DISTRICT
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FACILITIES SERVICES DIVISION
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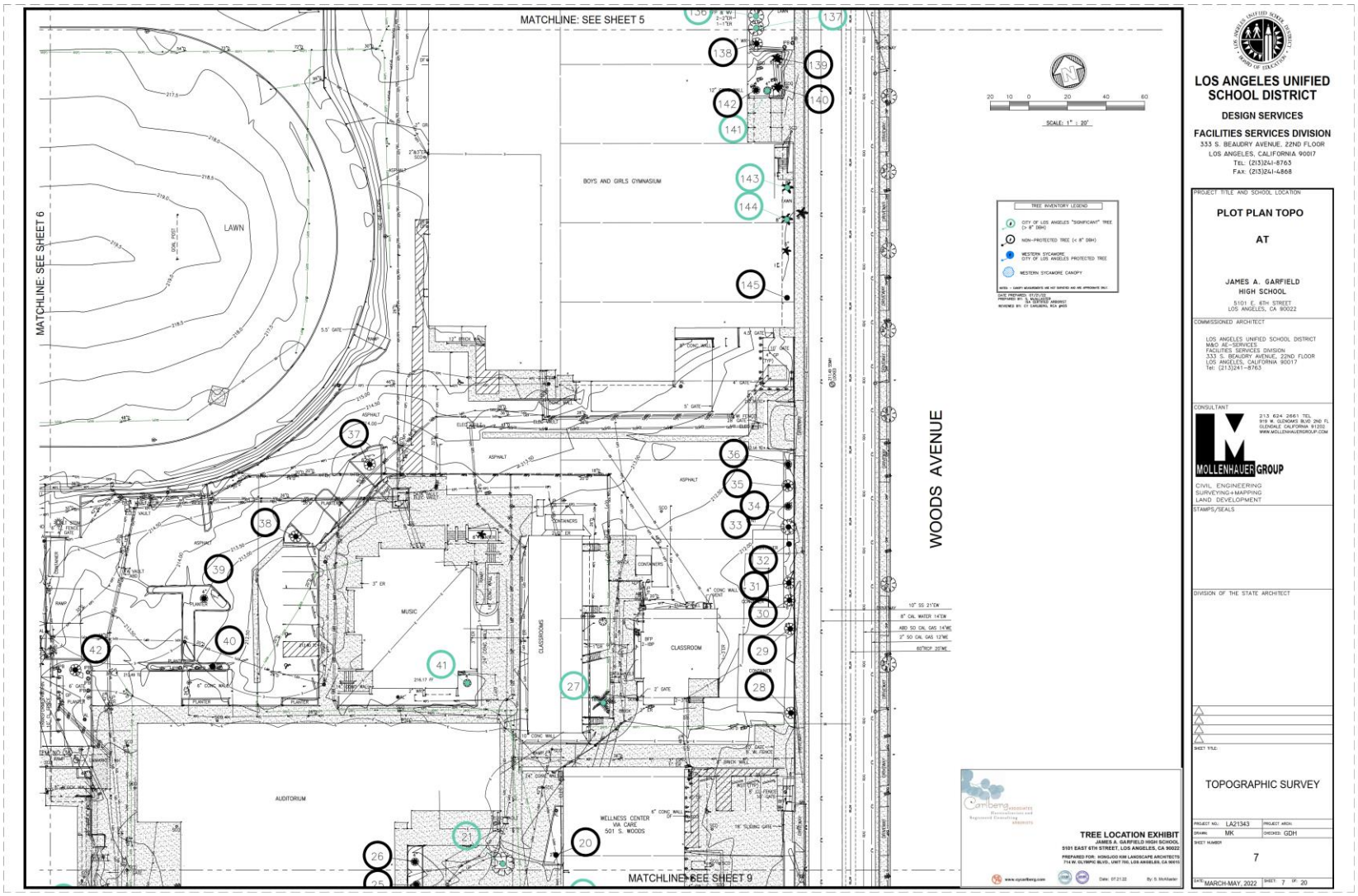
CONSULTANT
MOLLENHAUER GROUP
CIVIL ENGINEERING
SURVEYING+MAPPING
LAND DEVELOPMENT
STAMPS/SEALS
DIVISION OF THE STATE ARCHITECT
SHEET TITLE:
TOPOGRAPHIC SURVEY
PROJECT NO.: LA21343
PROJECT ARCH.:
DRAWN: MK
CHECKED: GDH
SHEET NUMBER
6
DATE: MARCH-MAY, 2022
SHEET: 6 OF: 20


MATCHLINE: SEE SHEET 5
MATCHLINE: SEE SHEET 6
MATCHLINE: SEE SHEET 9
LAWN
BOYS AND GIRLS GYMNASIUM
WOODS AVENUE
MUSIC
CLASSROOM
CLASSROOMS
AUDITORIUM
WELLNESS CENTER
VIA CARE
501 S. WOODS
ASPHALT
CONTAINERS
SCALE: 1" = 20'
TREE INVENTORY LEGEND
LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-8763
FAX: (213)241-4868
PROJECT TITLE AND SCHOOL LOCATION
PLOT PLAN TOPO
AT
JAMES A. GARFIELD
HIGH SCHOOL
5101 E. 6TH STREET
LOS ANGELES, CA 90022
COMMISSIONED ARCHITECT
LOS ANGELES UNIFIED SCHOOL DISTRICT
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213 624 2661 TEL
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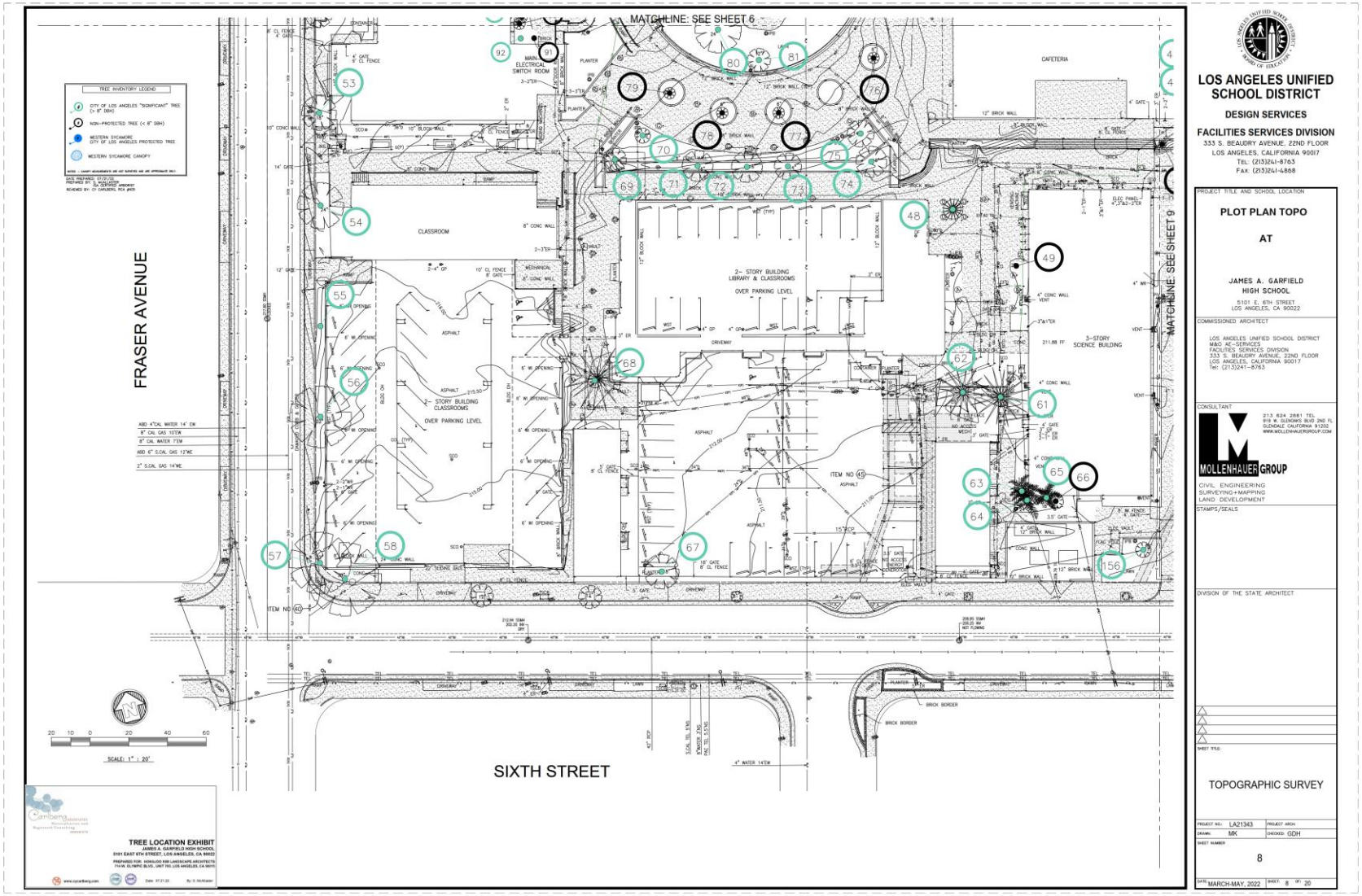
GLENDALE CALIFORNIA 91202
WWW.MOLLENHAUERGROUP.COM
MOLLENHAUER GROUP
CIVIL ENGINEERING
SURVEYING+MAPPING
LAND DEVELOPMENT
STAMPS/SEALS
DIVISION OF THE STATE ARCHITECT
SHEET TITLE:
TOPOGRAPHIC SURVEY
TREE LOCATION EXHIBIT
JAMES A. GARFIELD HIGH SCHOOL
5101 EAST 6TH STREET, LOS ANGELES, CA 90022
PREPARED FOR: HONGJOO KIM LANDSCAPE ARCHITECTS
714 W. OLYMPIC BLVD., UNIT 750, LOS ANGELES, CA 90015
PROJECT NO.: LA21343
DRAWN: MK
CHECKED: GDH
SHEET NUMBER
7
DATE: MARCH-MAY, 2022


MATCHLINE: SEE SHEET 6
MATCHLINE: SEE SHEET 9
FRASER AVENUE
SIXTH STREET
CLASSROOM
2- STORY BUILDING CLASSROOMS
OVER PARKING LEVEL
2- STORY BUILDING LIBRARY & CLASSROOMS
OVER PARKING LEVEL
3-STORY SCIENCE BUILDING
CAFETERIA
MAIN ELECTRICAL SWITCH ROOM
ASPHALT
BRICK BORDER
ITEM NO 45
ITEM NO 40
SCALE: 1" = 20'
TREE INVENTORY LEGEND
CITY OF LOS ANGELES "SIGNIFICANT" TREE (> 8" DBH)
NON-PROTECTED TREE (< 8" DBH)
WESTERN SYCAMORE CITY OF LOS ANGELES PROTECTED TREE
WESTERN SYCAMORE CANOPY
TREE LOCATION EXHIBIT
JAMES A. GARFIELD HIGH SCHOOL
5101 EAST 6TH STREET, LOS ANGELES, CA 90022
LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-8763
FAX: (213)241-4868
PROJECT TITLE AND SCHOOL LOCATION
PLOT PLAN TOPO
AT
JAMES A. GARFIELD HIGH SCHOOL
5101 E. 6TH STREET
LOS ANGELES, CA 90022
COMMISSIONED ARCHITECT
LOS ANGELES UNIFIED SCHOOL DISTRICT
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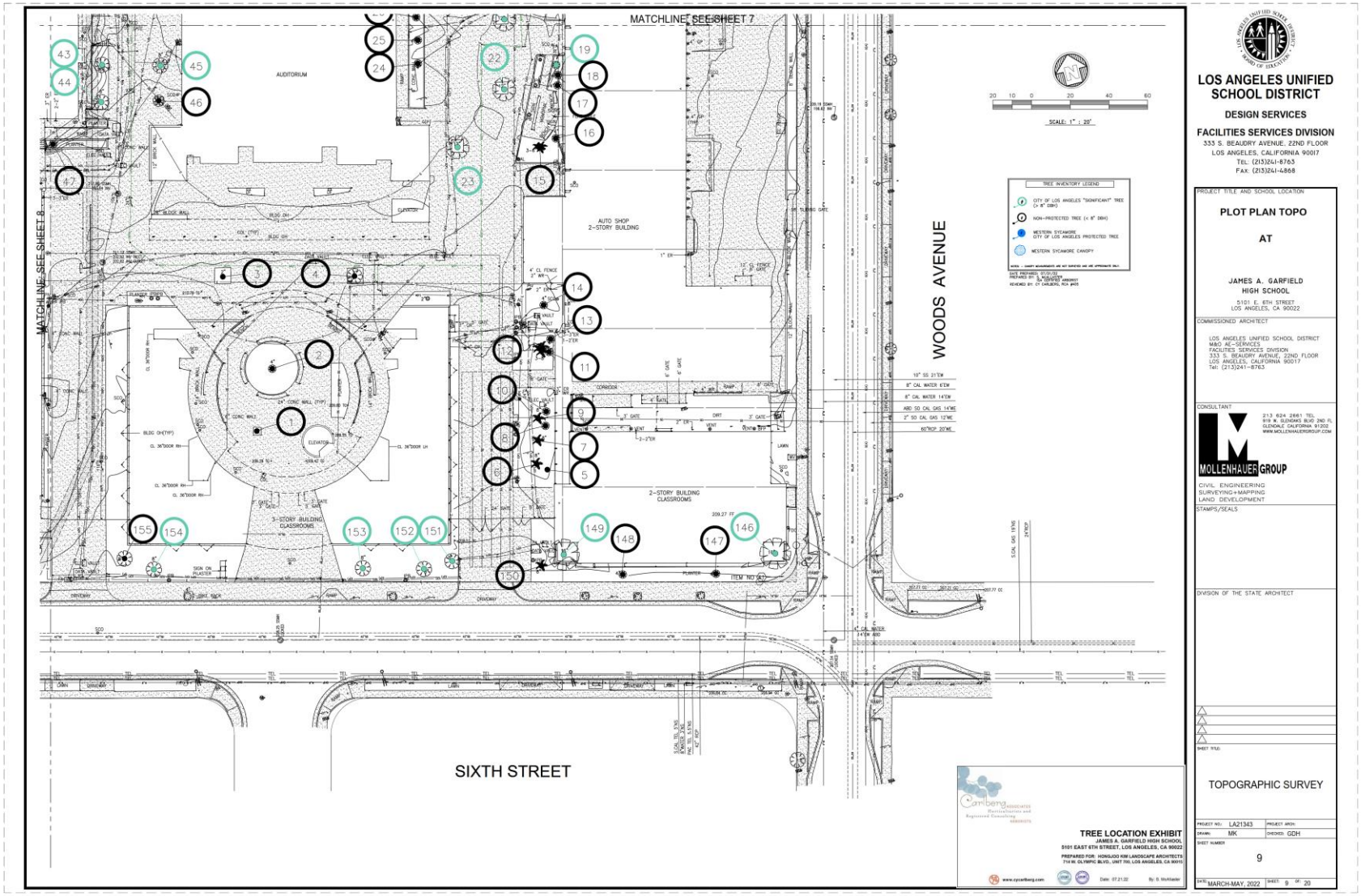
MOLLENHAUER GROUP
CIVIL ENGINEERING
SURVEYING+MAPPING
LAND DEVELOPMENT
STAMPS/SEALS
DIVISION OF THE STATE ARCHITECT
SHEET TITLE
TOPOGRAPHIC SURVEY
PROJECT NO: LA21343
PROJECT ARCH:
DRAWN: MK
CHECKED: GDH
SHEET NUMBER
8
DATE MARCH-MAY, 2022
SHEET 8 OF 20


MATCHLINE SEE SHEET 7
MATCHLINE SEE SHEET 8
AUDITORIUM
AUTO SHOP
2-STORY BUILDING
2-STORY BUILDING
CLASSROOMS
3-STORY BUILDING
CLASSROOMS
WOODS AVENUE
SIXTH STREET
SCALE: 1" : 20'
TREE INVENTORY LEGEND
CITY OF LOS ANGELES "SIGNIFICANT" TREE
(> 8" DBH)
NON-PROTECTED TREE (< 8" DBH)
WESTERN SYCAMORE
CITY OF LOS ANGELES PROTECTED TREE
WESTERN SYCAMORE CANOPY
TREE LOCATION EXHIBIT
JAMES A. GARFIELD HIGH SCHOOL
5101 EAST 6TH STREET, LOS ANGELES, CA 90022
PREPARED FOR: HONGJOO KIM LANDSCAPE ARCHITECTS
714 W. OLYMPIC BLVD., UNIT 700, LOS ANGELES, CA 90015
LOS ANGELES UNIFIED SCHOOL DISTRICT
DESIGN SERVICES
FACILITIES SERVICES DIVISION
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LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-8763
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PROJECT TITLE AND SCHOOL LOCATION
PLOT PLAN TOPO
AT
JAMES A. GARFIELD
HIGH SCHOOL
5101 E. 6TH STREET
LOS ANGELES, CA 90022
COMMISSIONED ARCHITECT
LOS ANGELES UNIFIED SCHOOL DISTRICT
M&O AE-SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
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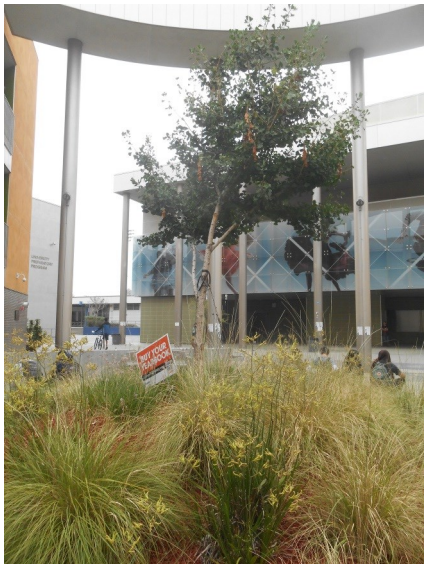
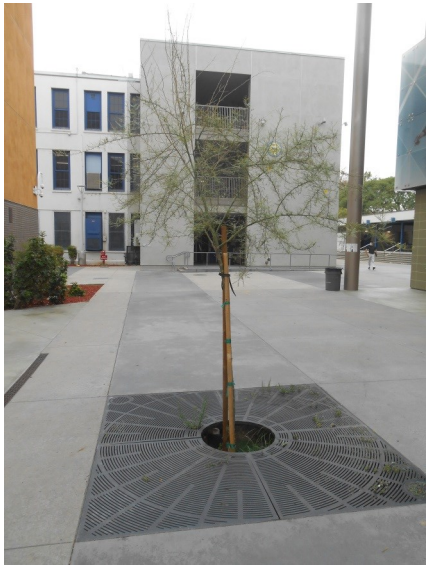
CONSULTANT
MOLLENHAUER GROUP
CIVIL ENGINEERING
SURVEYING+MAPPING
LAND DEVELOPMENT
STAMPS/SEALS
DIVISION OF THE STATE ARCHITECT
SHEET TITLE:
TOPOGRAPHIC SURVEY
PROJECT NO: LA21343
PROJECT ARCH:
DRAWN: MK
CHECKED: GDH
SHEET NUMBER
9
DATE: MARCH-MAY, 2022
SHEET: 9 OF 20

TREE PHOTOGRAPH EXHIBIT

Tree 1



Tree 2



Tree 3

Tree 4

Tree 5

Trees 6(R), 7(L)

Tree 8

Trees 9(R), 10(L)

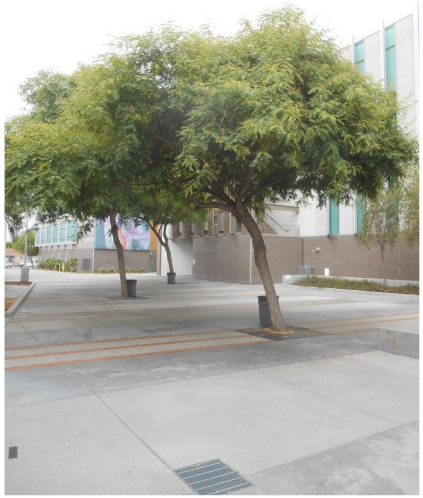
Trees 11(R), 12(L)

Trees 13(R), 14(L)

Trees 15(R), 16(L)

Trees 17-19 R-L)

Tree 20



Tree 21

Tree 22

Tree 23

Trees 24-26 (L-R)

Tree 27

Tree 28

Tree 29

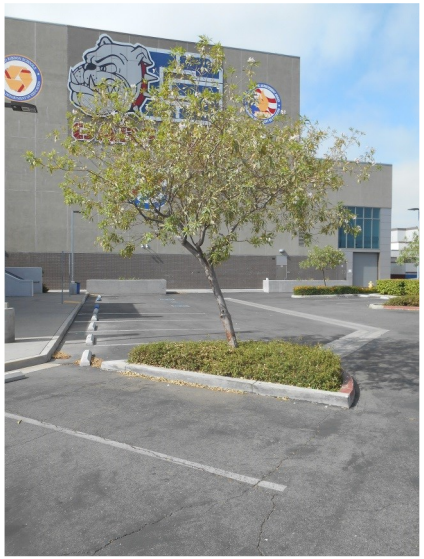
Trees 30 (R), 31(L)

Tree 32

Trees 33(R), 34(L)

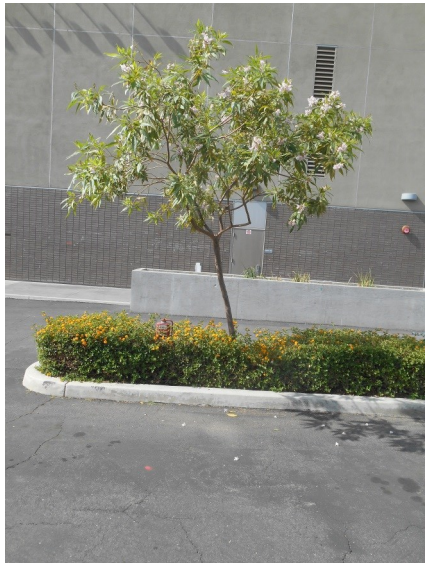
Trees 35(R), 36(L)

Tree 37



Tree 38

Tree 39



Tree 40

Tree 41

Tree 42

Tree 43

Tree 44

Tree 45

Tree 46

Tree 47

Tree 48

Tree 49

Tree 50

Tree 51

Tree 52

Tree 53

Tree 54

Tree 55

Tree 56

Tree 57

Tree 58

Tree 59

Tree 60

Tree 61

Tree 62

Trees 63(R), 64(L)

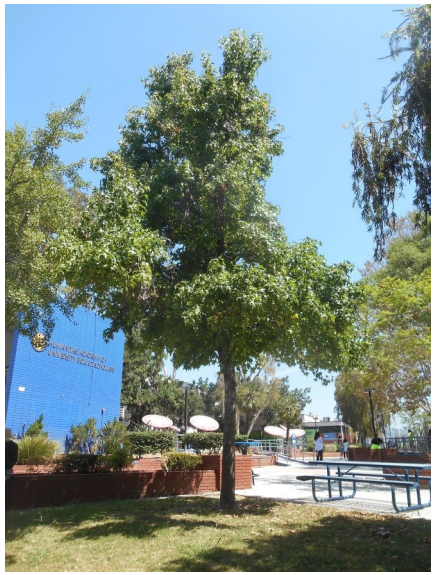
Tree 65

Tree 66

Tree 67

Tree 68

Tree 69



Trees 70

Tree 71

Tree 72

Tree 73

Tree 74

Tree 75

Tree 76

Tree 77

Tree 78

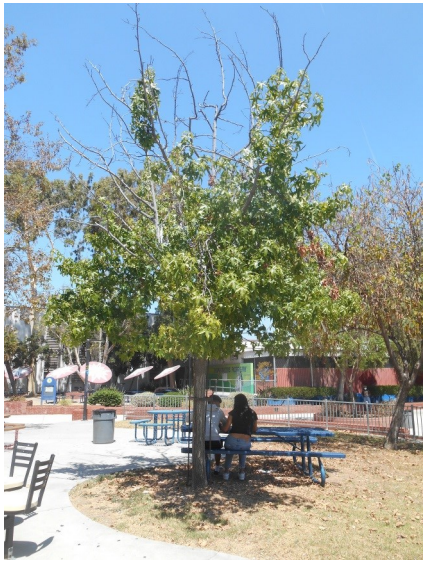
Tree 79

Tree 80

Tree 81

Tree 82

Tree 83



Tree 84

Tree 85

Tree 86

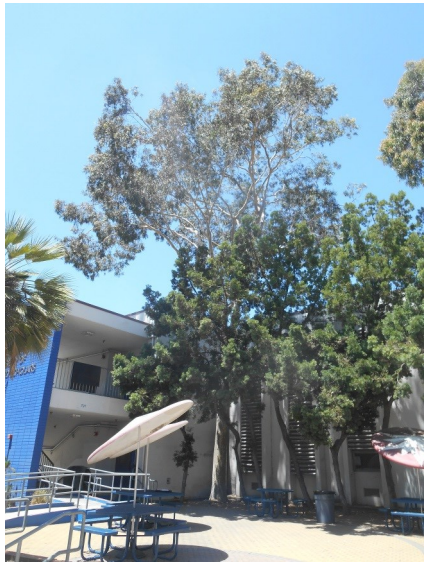
Tree 87

Tree 88

Tree 89

Tree 90

Tree 91

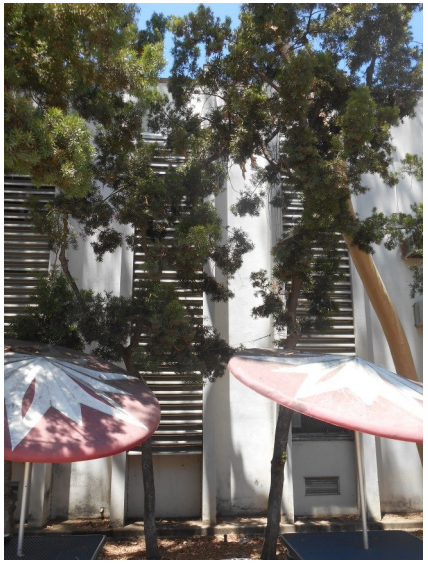


Tree 92

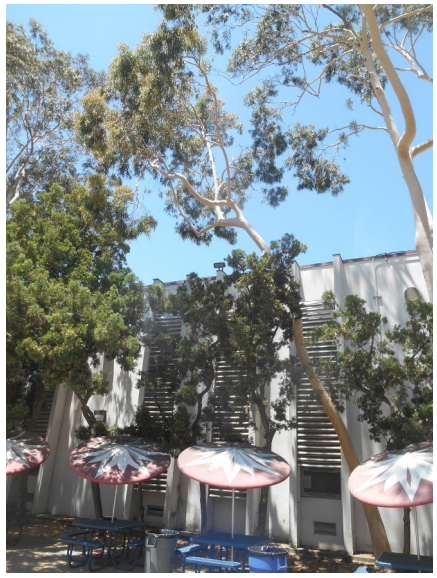
Trees 93-95 (L-C)

Trees 96(L), 97(R)

Trees 98(R), 99(L)



Trees 100((L), 101(R)



Tree 102

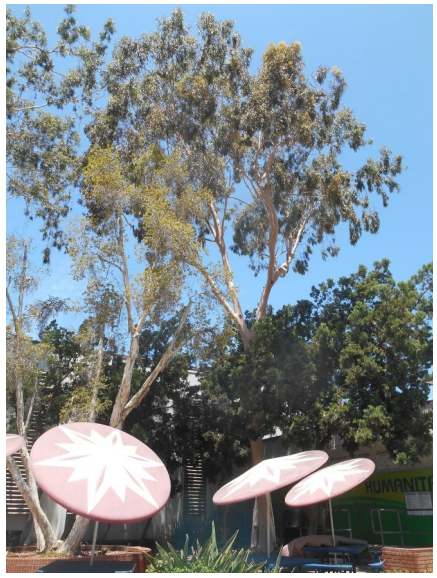
Trees 103(R), 104(L)

Tree 105

Trees 106-108 (L-R)

Trees 109-111 (L-R)

Trees 112-114 (L-R)



Tree 115

Tree 116

Tree 117

Tree 118

Tree 119

Tree 120

Tree 121

Tree 122

Tree 123

Tree 124

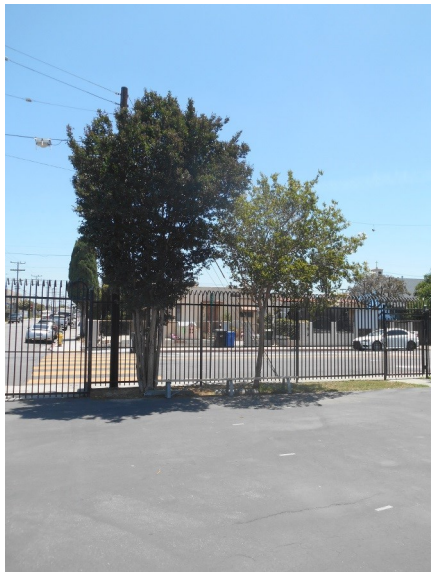
Tree 125

Tree 126

Tree 127

Tree 128

Tree 129



Trees 130(L), 131(R)

Tree 132

Trees 133-135 (R-L)

Trees 136-138 (R-L)

Tree 139

Tree 140

Trees 141(R), 142(L)

Trees 143(R), 144(L)

Tree 145

Tree 146

Tree 147

Tree 148

Tree 149

Tree 150

Tree 151

Tree 152

Tree 153

Tree 154(R), 155(L)

Tree 156

HEALTH AND STRUCTURE GRADE DEFINITIONS

Health and structure ratings of the trees are based on the archetype tree of the same species through a subjective evaluation of its physiological health, aesthetic quality, and structural integrity.

Overall physiological condition (health) and structural condition were rated A-F:

Health

A. Outstanding – Exceptional trees of good growth form and vigor for their age class; exhibiting very good to excellent health as evidenced by normal to exceptional shoot growth during current season, good bud development and leaf color, lack of leaf, twig or branch dieback throughout the crown, and the absence of decay, bleeding, or cankers. Common leaf and/or twig pests may be noted at very minor levels.

B. Above average – Good to very good trees that exhibit minor necrotic or physiological symptoms of stress and/or disease; shoot growth is less than reasonably expected, leaf color is less than optimal in some areas, the crown may be thinning, minor levels of leaf, twig, and branch dieback may be present, and minor areas of decay, bleeding, or cankers may be manifesting. Minor amounts of epicormic growth may be present. Minor amounts of fire damage or mechanical damage may be present. Still healthy, but with moderately diminished vigor and vitality. No significant decline noted.

C. Average – Average, moderately good trees whose growth habit and physiological or fire-induced symptoms indicate an equal chance to either decline or continue with good health into the near future. Most of these trees exhibit moderate to significant small deadwood in outer crown areas, decreased shoot growth and diminished leaf color and mass. Some stem and branch dieback is usually present and epicormic growth may be moderate to extensive. Cavities, pockets of decay, relatively significant fire damage, bark exfoliation, or cracks may be present. Moderate to significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it is expected to negatively impact the lifespan of the tree. Tree may be in early decline.

D. Below Average/Poor - trees whose growth habit and physiological or fire-induced symptoms indicate significant, irreversible decline. Most of these trees exhibit significant dieback of wood in the crown, possibly accompanied by significant epicormic sprouting. Shoot growth and leaf color and mass is either significantly diminished or nonexistent throughout the crown. Cavities, pockets of decay, significant fire damage, bark exfoliation, and/or cracks may be present. Significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it has negatively impacted the lifespan of the tree. Tree appears to be in irreversible decline.

F. Dead or in spiral of decline – this tree exhibits very little to no signs of life.

Structure

A. Outstanding – Trees with outstanding structure for their species exhibit trunk and branch arrangement and orientation that result in a sturdy form or architecture that resists failure under normal circumstances. The spacing, orientation, and size of the branches relative to the trunk are quintessential for the species and free from defects. No outward sign of decay or pathological disease is present. Some trees exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, which would preclude them from achieving an “A” grade.

B. Above average - Trees with good to very good structure for their species. They exhibit trunk and branch arrangement and orientation that result in a relatively sturdy form or architecture that resists failure under

normal circumstances, but may have some mechanical damage, over-pruning, or other minor structural defects. The spacing, orientation, and size of the branches relative to the trunk are still in the normal range for the species, but they exhibit a minor degree of defects. Minor, sub-critical levels of decay or pathological disease may be present, but the degree of damage is not yet structurally significant. Trees that exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, would generally fall in to this category. A small percentage of the canopy may be shaded or crowded, but not in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree.

C. Average - Trees with moderately good structure for their species, but with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a less than sturdy form or architecture, which reduces their resistance to failure under normal circumstances. Moderate levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of some of the branches relative to the trunk are not in the normal range for the species. Moderate to significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A moderate to significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be moderately elevated.

D. Well Below Average/Poor - Trees poor structure for their species and with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a significantly less than sturdy form or architecture, significantly reducing their resistance to failure under normal circumstances. Significant levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of many of the branches relative to the trunk are not in the normal range for the species. Significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be advanced.

F. Severely Compromised – trees with very poor structure and numerous or severe defects due to growing conditions, historical or recent pruning, mechanical damage, history of limb or trunk failures, advanced and irreparable decay, disease, or severe fire damage. Trees with this rating are in severe, irreparable decline, or are barely alive. Risk of full or partial failures in the near future may be severe.

ARBORIST DISCLOSURE STATEMENT

Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of the arborist, or to seek additional advice.

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like any medicine, cannot be guaranteed.

Treatment, pruning and removal of trees may involve considerations beyond the scope of the arborist's services such as property boundaries, property ownership, site lines, disputes between neighbors, and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the arborist. An arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

Trees contribute greatly to our enjoyment and appreciation of life. Nonetheless, they are subject to the laws of gravity and physiological decline. Therefore, neither arborists nor tree owners can be reasonably expected to warrant unfailing predictability or elimination of risk.

Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.

Risk assessments were neither requested nor performed on any of the trees for this project.

CY CARLBERG
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Education
B.S., Landscape Architecture, California State Polytechnic University, Pomona, 1985
Graduate, Arboricultural Consulting Academy, American Society of Consulting Arborists, Chicago, Illinois, February 2002
Graduate, Municipal Forestry Institute, Lied, Nebraska, 2012

Experience
Consulting Arborist, Carlberg Associates, 1998-present
Manager of Grounds Services, California Institute of Technology, Pasadena, 1992-1998
Director of Grounds, Scripps College, Claremont, 1988-1992

Certificates
Certified Arborist (#WE-0575A), International Society of Arboriculture, 1990
Registered Consulting Arborist (#405), American Society of Consulting Arborists, 2002
Certified Urban Forester (#013), California Urban Forests Council, 2004
Qualified Tree Risk Assessor, International Society of Arboriculture, 2011

AREAS OF EXPERTISE

Ms. Carlberg is experienced in the following areas of tree management and preservation:

- Tree health and risk assessment
- Master Planning
- Historic landscape assessments, preservation plans, reports
- Tree inventories and reports to satisfy jurisdictional requirements
- Expert Testimony
- Post-fire assessment, valuation, and mitigation for trees and native plant communities
- Value assessments for native and non-native trees
- Pest and disease identification
- Guidelines for oak preservation
- Selection of appropriate tree species
- Planting, pruning, and maintenance specifications
- Tree and landscape resource mapping – GPS, GIS, and AutoCAD
- Planning Commission, City Council, and community meetings representation

PREVIOUS CONSULTING EXPERIENCE

Ms. Carlberg has overseen residential and commercial construction projects to prevent damage to protected and specimen trees. She has thirty-five years of experience in arboriculture and horticulture and has performed tree health evaluation, value and risk assessment, and expert testimony for private clients, government agencies, cities, school districts, and colleges. Representative clients include:

The Huntington Library and Botanical Gardens
The Los Angeles Zoo and Botanical Gardens
The Rose Bowl and Brookside Golf Course, Pasadena
Walt Disney Concert Hall and Gardens
The Art Center College of Design, Pasadena
Pepperdine University
Loyola Marymount University
The Claremont Colleges (Pomona, Scripps, CMC, Harvey Mudd, Claremont Graduate University, Pitzer, Claremont University Center)
Quinn, Emanuel, Urquhart and Sullivan (attorneys at law)
Getty Trust – Eames House
Historic Resources Group
The City of Claremont
The City of Beverly Hills
The City of Pasadena
The City of Los Angeles
The City of Santa Monica
Santa Monica/Malibu Unified School District
San Diego Gas & Electric
Los Angeles Department of Water and Power
Rancho Santa Ana Botanic Garden, Claremont
Latham & Watkins, LLP (attorneys at law)
Architectural Resources Group
AHBE Landscape Architects
Moule and Polyzoides, Architects and Urbanists

AFFILIATIONS

Ms. Carlberg serves with the following national, state, and community professional organizations:

- California Urban Forests Council, Board Member, 1995-2006
- Street Tree Seminar, Past President, 2000-present
- American Society of Consulting Arborists Academy, Faculty Member, 2003-2005; 2014
- American Society of Consulting Arborists, Board of Directors, 2013-2015
- Member, Los Angeles Oak Woodland Habitat Conservation Strategic Alliance, 2010-present

HONGJOO KIM
LANDSCAPE
ARCHITECTS

TREE #	COMMON NAME	BOTANICAL NAME	DIAMETER AT 4.5 FEET (DBH)* IN INCHES	HEIGHT (FEET)	CANOPY SPREAD (N/E/S/W) IN FEET	HEALTH	STRUCTURE	PROTECTED OR SIGNIFICANT TREE	LANDSCAPE ARCH RECOMMENDATIONS	LANDSCAPE ARCH COMMENTS
1	Purple-Leaf Plum	*Prunus cerasifera*	2.6	15	9/8/7/7	A-	B+	NO	PRESERVE	
2	Gingko	*Gingko biloba*	3.2	15	8/7/3/8	B+	B-	NO	PRESERVE	
3	Mexican Palo Verde	*Parkinsonia aculeata*	1.4	12	7/3/3/3	B-	B-	NO	PRESERVE	Newly planted, needs further establishment
4	Mexican Palo Verde	*Parkinsonia aculeata*	7.4	22	13/13/15/20	B	B	NO	PRESERVE	
5	Mexican Bird of Paradise	*Caesalpinia mexicana*	3.5, 3.3	16	8/3/12/11	A-	B+	NO	PRESERVE	
6	King Palm	*Archontophoenix alexandrae*	9 (BT-13')	20	7/7/7/7	A	B+	NO	PRESERVE	
7	King Palm	*Archontophoenix alexandrae*	10 (BT-14')	22	7/7/7/7	A	B+	NO	PRESERVE	
8	Mexican Bird of Paradise	*Caesalpinia mexicana*	3.2, 4.3	15	15/6/10/12	B+	B+	NO	PRESERVE	No leader, Low elbow between two trunks. Distance from building does not meet LAUSD canopy clearance requirements
9	King Palm	*Archontophoenix alexandrae*	8 (BT-14')	22	8/8/8/8	A	B+	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
10	Mexican Bird of Paradise	*Caesalpinia mexicana*	2.6	14	10/0/0/12	A-	B	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
11	Mexican Bird of Paradise	*Caesalpinia mexicana*	3.1, 3	15	0/0/15/16	B+	B-	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
12	King Palm	*Archontophoenix alexandrae*	7, 8, 9 (BT-12, 12, 12')	20	8/8/9/9	A	B	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
13	Mexican Bird of Paradise	*Caesalpinia mexicana*	3.7, 3.9	15	12/4/4/15	A	B+	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
14	Chitalpa	*x Chitalpa tashkentensis*	4.2	16	0/6/12/10	B	B	NO	REMOVE	Significant leaning into building/circulation paths.

15	King Palm	*Archontophoenix alexandrae*	7, 7, 7 (BT-12, 12, 12'	20	8/6/8/8	B	B	NO	PRESERVE	
16	Mexican Bird of Paradise	*Caesalpinia mexicana*	3, 3.4, 3.4	18	10/5/15/10	B+	B+	SIGNIFICANT	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
17	Mexican Bird of Paradise	*Caesalpinia mexicana*	3.1	16	0/4/8/11	B+	B+	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
18	Mexican Bird of Paradise	*Caesalpinia mexicana*	3	18	3/4/10/6	B+	B+	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
19	Mexican Bird of Paradise	*Caesalpinia mexicana*	3, 3.3, 4.4	20	16/5/10/12	A-	B+	SIGNIFICANT	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
20	Purple-Leaf Plum	*Prunus cerasifera*	2.3	14	5/6/6/6	A	B+	NO	PRESERVE	
21	Tipu	*Tipuana tipu*	10	22	12/22/21/17	A-	B	SIGNIFICANT	PRESERVE	
22	Tipu	*Tipuana tipu*	10.9	25	15/20/25/17	A-	B	SIGNIFICANT	PRESERVE	
23	Tipu	*Tipuana tipu*	11	28	17/20/18/13	A-	B	SIGNIFICANT	PRESERVE	
24	Weeping Bottlebrush	*Callistemon viminalis*	3.7	20	6/6/4/6	B+	B+	NO	PRESERVE	
25	Weeping Bottlebrush	*Callistemon viminalis*	4.3	20	6/10/7/6	B+	B+	NO	PRESERVE	
26	Weeping Bottlebrush	*Callistemon viminalis*	4.2	20	5/12/8/3	B+	B+	NO	PRESERVE	
27	Mexican Fan Palm	*Washingtonia robusta*	12 (BT-50')	55	5/7/9/10	B	B+	SIGNIFICANT	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
28	Crape Myrtle	*Lagerstroemia indica*	5.3	18	10/10/10/10	A-	B+	NO	PRESERVE	
29	Crape Myrtle	*Lagerstroemia indica*	5.4	15	6/6/8/6	A-	B+	NO	PRESERVE	
30	Crape Myrtle	*Lagerstroemia indica*	6.3	16	8/12/10/10	A-	B+	NO	PRESERVE	
31	Crape Myrtle	*Lagerstroemia indica*	6	18	10/11/6/8	A-	B+	NO	PRESERVE	
32	Crape Myrtle	*Lagerstroemia indica*	4.6	14	5/5/7/8	A-	B+	NO	PRESERVE	
33	Crape Myrtle	*Lagerstroemia indica*	7.4	20	8/9/9/9	A-	B+	NO	PRESERVE	Sparse, Not Thriving compared to adjacent Crape Myrtles

34	Crape Myrtle	*Lagerstroemia indica*	3	12	3/5/6/5	A-	B+	NO	PRESERVE	
35	Crape Myrtle	*Lagerstroemia indica*	6.4	16	8/8/8/8	A-	B+	NO	PRESERVE	Sparse, Not Thriving compared to adjacent Crape Myrtles
36	Crape Myrtle	*Lagerstroemia indica*	3.6	13	7/7/6/6	A-	B+	NO	PRESERVE	
37	Chitalpa	*x Chitalpa tashkentensis*	5.8	16	12/12/10/10	B	B	NO	PRESERVE	
38	Chitalpa	*x Chitalpa tashkentensis*	5.6	15	10/13/12/10	A-	B	NO	PRESERVE	Leaning. Sparse foliage compared to adjacent Chitalpa trees
39	Chitalpa	*x Chitalpa tashkentensis*	5.6	14	7/13/10/8	A-	B	NO	PRESERVE	
40	Chitalpa	*x Chitalpa tashkentensis*	2.4	10	6/7/5/6	A-	A-	NO	PRESERVE	Leaning
41	Mexican Bird of Paradise	*Caesalpinia mexicana*	1.4, 1.7, 2.2, 2, 2.3	15	6/8/8/6	A	B+	SIGNIFICANT	PRESERVE	
42	Chitalpa	*x Chitalpa tashkentensis*	4.3	14	8/5/10/13	A-	B	NO	PRESERVE	Leaning
43	Australian Willow	*Geijera parviflora*	9.5	22	14/13/12/15	A	B+	SIGNIFICANT	PRESERVE	
44	Australian Willow	*Geijera parviflora*	8.5	22	7/17/17/13	A	B+	SIGNIFICANT	PRESERVE	Leaning Canopy. Branch structure heavily leaning
45	Australian Willow	*Geijera parviflora*	8	22	7/7/12/14	A	B+	SIGNIFICANT	PRESERVE	
46	Australian Willow	*Geijera parviflora*	6.5	22	8/7/10/10	A	B	NO	PRESERVE	
47	Crape Myrtle	*Lagerstroemia indica*	3.2	12	5/5/6/5	D	D	NO	REMOVE	In decline; Poor growth and foliage
48	Aleppo Pine	*Pinus halepensis*	12.6	2	14/14/13/13	B	B+	SIGNIFICANT	PRESERVE	
49	Purple-Leaf Plum	*Prunus cerasifera*	2.5	12	7/6/5/9	A-	B	NO	PRESERVE	
50	Carrotwood	*Cupaniopsis anacardioides*	16	20	12/13/14/14	B+	B	SIGNIFICANT	PRESERVE	
51	Carrotwood	*Cupaniopsis anacardioides*	3.5, 3.6, 3.5	14	8/10/9/9	A-	B+	SIGNIFICANT	PRESERVE	
52	Carrotwood	*Cupaniopsis anacardioides*	15.1	22	14/13/16/13	B	B	SIGNIFICANT	PRESERVE	
53	Carrotwood	*Cupaniopsis anacardioides*	18	22	15/18/15/15	B	C+	SIGNIFICANT	PRESERVE	
54	Indian Laurel Fig	*Ficus microcarpa*	25.5	40	25/12/32/22	A	B	SIGNIFICANT	PRESERVE	

55	Indian Laurel Fig	*Ficus microcarpa*	29.2	40	28/26/28/25	A	B	SIGNIFICANT	PRESERVE	
56	Indian Laurel Fig	*Ficus microcarpa*	24.2	35	27/25/25/25	A	B	SIGNIFICANT	PRESERVE	
57	Indian Laurel Fig	*Ficus microcarpa*	27.1	40	22/27/32/28	A	B	SIGNIFICANT	PRESERVE	
58	Indian Laurel Fig	*Ficus microcarpa*	35.7	35	27/35/35/17	A	B	SIGNIFICANT	PRESERVE	
59	Carrotwood	*Cupaniopsis anacardioides*	16.1	20	15/12/14/15	B	B	SIGNIFICANT	PRESERVE	
60	Carrotwood	*Cupaniopsis anacardioides*	9, 9.2	22	14/14/16/17	A	B	SIGNIFICANT	PRESERVE	
61	Canary Island Pine	*Pinus canariensis*	26.2	50	20/18/18/10	B+	B+	SIGNIFICANT	PRESERVE	
62	Canary Island Pine	*Pinus canariensis*	24.2	50	15/12/15/18	B+	B+	SIGNIFICANT	PRESERVE	
63	Mexican Fan Palm	*Washingtonia robusta*	12, 12 (BT-40, 55')	60	7/7/7/7	A	B	SIGNIFICANT	PRESERVE	
64	Mexican Fan Palm	*Washingtonia robusta*	12, 12 (BT-40, 55')	60	7/7/7/7	A	B	SIGNIFICANT	PRESERVE	
65	Mexican Fan Palm	*Washingtonia robusta*	12, 12 (BT-55, 60')	65	7/7/7/7	A	B	SIGNIFICANT	PRESERVE	
66	Edible Fig	*Ficus carica*	7.8	20	6/7/9/9	A-	B	NO	PRESERVE	
67	Jacaranda	*Jacaranda mimosifolia*	19.2	22	21/15/23/21	B	B	SIGNIFICANT	PRESERVE	
68	Canary Island Pine	*Pinus canariensis*	35	55	24/16/24/20	B+	B+	SIGNIFICANT	PRESERVE	
69	Gingko	*Gingko biloba*	11.9	20	15/10/14/15	A	B+	SIGNIFICANT	PRESERVE	
70	American Sweetgum	*Liquidambar styraciflua*	8.2	25	10/10/15/10	A	B	SIGNIFICANT	PRESERVE	
71	Weeping Bottlebrush	*Callistemon viminalis*	14	22	18/2/12/20	B	B-	SIGNIFICANT	PRESERVE	Uneaven canopy structure. Several instances of dieback
72	Weeping Fig	*Ficus benjamina*	12.2, 16.2	25	23/25/20/25	A-	B+	SIGNIFICANT	PRESERVE	
73	Weeping Bottlebrush	*Callistemon viminalis*	13.2	25	17/22/10/10	B	B	SIGNIFICANT	PRESERVE	
74	Carrotwood	*Cupaniopsis anacardioides*	12.9	22	15/13/17/18	B-	B	SIGNIFICANT	PRESERVE	
75	American Sweetgum	*Liquidambar styraciflua*	13.4	20	16/7/8/16	B-	B-	SIGNIFICANT	PRESERVE	

76	Chinese Elm	*Ulmus parvifolia*	6.3	20	15/15/18/15	A	B	NO	PRESERVE	
77	Australian Willow	*Geijera parviflora*	5.4	18	10/10/10/10	B+	B+	NO	PRESERVE	
78	Chinese Elm	*Ulmus parvifolia*	5.1	16	12/15/15/12	A-	B	NO	PRESERVE	
79	Jacaranda	*Jacaranda mimosifolia*	5.7	15	8/7/12/15	B	B	NO	PRESERVE	Sparse, Not Thriving
80	Brazilian Pepper	*Schinus terebinthifolia*	21.6	32	40/36/30/30	B	B-	SIGNIFICANT	PRESERVE	Exposed roots, significant canopy for the area
81	Carrotwood	*Cupaniopsis anacardioides*	9.8	20	15/15/15/15	A	B+	SIGNIFICANT	PRESERVE	
82	Brazilian Pepper	*Schinus terebinthifolia*	25.7	35	30/32/39/28	A-	B	SIGNIFICANT	PRESERVE	Weak lower branch from pruning.
83	Carrotwood	*Cupaniopsis anacardioides*	11.5	22	12/15/15/15	A	B+	SIGNIFICANT	PRESERVE	
84	American Sweetgum	*Liquidambar styraciflua*	7.1	18	10/8/10/6	C	C	NO	REMOVE	Significant dieback at top of canopy.
85	Hong Kong Orchid	*Bauhinia x blakeana*	8.9	16	15/12/12/10	C+	B-	NO	REMOVE	Poor foliage, significant dieback
86	Western Sycamore	*Platanus racemosa*	21.5	40	25/21/30/28	B	B	PROTECTED	PROTECTED	
87	Australian Willow	*Geijera parviflora*	7.2	20	15/13/14/12	A	B+	NO	PRESERVE	
88	Jacaranda	*Jacaranda mimosifolia*	5.9	18	7/7/9/7	A-	B	NO	PRESERVE	
89	Mediterranean Fan Paln	*Chamaerops humilis*	8 (BT-12')	16	0/6/7/3	A	B	NO	REMOVE	Severe leaning
90	Mediterranean Fan Paln	*Chamaerops humilis*	8(BT-12')	16	3/5/3/3	A	B+	NO	PRESERVE	
91	Fern Pine	*Afrocarpus gracilior*	5.3	18	5/15/7/0	B+	B+	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
92	Lemon-Scented Gum	*Corymbia citriodora*	21.2	45	24/22/24/25	B+	B+	SIGNIFICANT	PRESERVE	Competing for sun with Fern Pines. Distance from building does not meet LAUSD canopy clearance requirements
93	Fern Pine	*Afrocarpus gracilior*	5.5	16	0/21/0/0	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
94	Fern Pine	*v*	6.5	20	4/18/5/4	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements

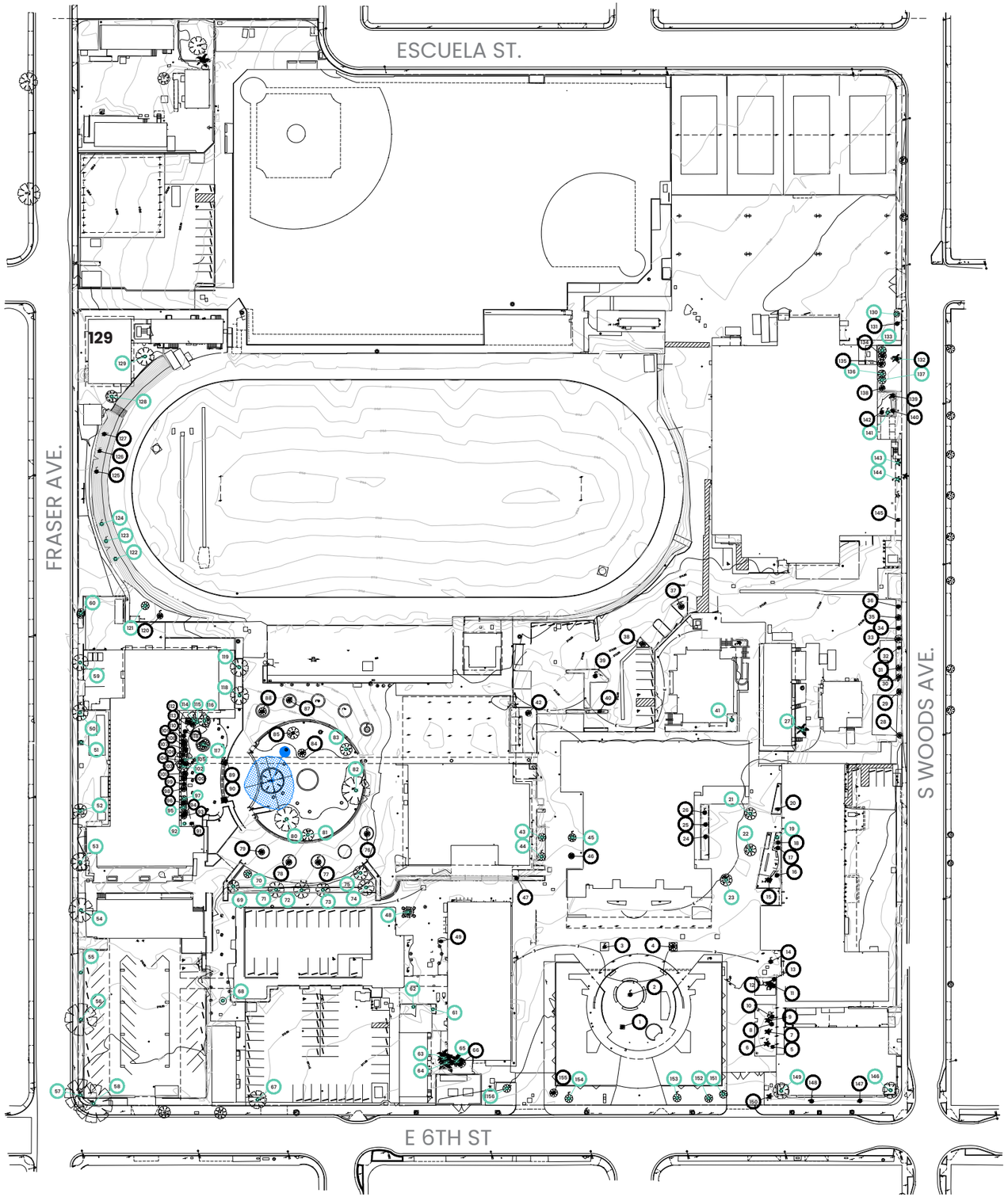
95	Fern Pine	*Afrocarpus gracilior*	6.9, 6.8	22	8/16/5/4	B+	B+	SIGNIFICANT	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
96	Fern Pine	*Afrocarpus gracilior*	6.8	15	9/18/4/5	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
97	Fern Pine	*Afrocarpus gracilior*	8	25	4/15/0/4	B+	B+	SIGNIFICANT	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
98	Fern Pine	*Afrocarpus gracilior*	7.4	18	0/20/4/0	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
99	Fern Pine	*Afrocarpus gracilior*	4.1	12	3/6/5/2	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
100	Fern Pine	*Afrocarpus gracilior*	5.3	16	5/9/0/0	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
101	Fern Pine	*Afrocarpus gracilior*	6.5	16	5/10/3/2	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
102	Lemon-Scented Gum	*Corymbia citriodora*	11.9	40	0/0/30/0	A-	B+	SIGNIFICANT	PRESERVE	Significant leaning of tree. Uneven canopy structure. Competing for sun with Fern Pines. Distance from building does not meet LAUSD canopy clearance requirements
103	Fern Pine	*Afrocarpus gracilior*	4.4	15	5/10/7/4	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
104	Fern Pine	*Afrocarpus gracilior*	3.7	14	4/6/6/4	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
105	Lemon-Scented Gum	*Corymbia citriodora*	19.6	50	18/30/22/24	A-	B+	SIGNIFICANT	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
106	Fern Pine	*Afrocarpus gracilior*	4.7	15	0/10/7/0	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
107	Fern Pine	*Afrocarpus gracilior*	5.3	15	0/8/7/0	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
108	Fern Pine	*Afrocarpus gracilior*	6	20	0/14/7/4	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
109	Fern Pine	*Afrocarpus gracilior*	7.1	20	15/18/4/5	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements

110	Fern Pine	*Afrocarpus gracilior*	4.2	14	4/7/2/2	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
111	Fern Pine	*Afrocarpus gracilior*	4.3	14	8/6/5/5	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
112	Fern Pine	*Afrocarpus gracilior*	6.1	14	5/6/5/10	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
113	Fern Pine	*Afrocarpus gracilior*	4.8	15	2/8/7/5	B+	B+	NO	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
114	Fern Pine	*Afrocarpus gracilior*	9.6	18	23/9/6/15	B+	B+	SIGNIFICANT	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
115	Lemon-Scented Gum	*Corymbia citriodora*	20.5	50	15/20/24/17	A-	B+	SIGNIFICANT	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
116	Fern Pine	*Afrocarpus gracilior*	9.3	20	14/22/10/5	B+	B+	SIGNIFICANT	PRESERVE	Overcrowded. Distance from building does not meet LAUSD canopy clearance requirements
117	Paperbark	*Melaleuca quinquenervia*	5.8, 10.9, 8.1, 8.3	25	6/17/17/8	B-	B-	SIGNIFICANT	REMOVE	Significant Dieback/Sparse Canopy
118	Weeping Bottlebrush	*Callistemon viminalis*	14.4	30	15/15/13/8	A	B+	SIGNIFICANT	PRESERVE	
119	Weeping Bottlebrush	*Callistemon viminalis*	18.9	30	18/9/12/12	A	B+	SIGNIFICANT	PRESERVE	
120	Crape Myrtle	*Lagerstroemia indica*	5.7	16	10/10/10/10	B+	B	NO	PRESERVE	
121	Crape Myrtle	*Lagerstroemia indica*	12	18	15/13/12/14	A	B+	SIGNIFICANT	PRESERVE	
122	Crape Myrtle	*Lagerstroemia indica*	2.6, 3.7, 2.9	16	10/10/10/12	B+	B	SIGNIFICANT	PRESERVE	
123	Crape Myrtle	*Lagerstroemia indica*	3.3,2.7,2.8	16	8/6/12/10	B	C+	SIGNIFICANT	PRESERVE	Uneven structure. Trunk has damage
124	Crape Myrtle	*Lagerstroemia indica*	3.1,4,3.4	18	10/8/10/12	B+	B	SIGNIFICANT	PRESERVE	

125	Crape Myrtle	*Lagerstroemia indica*	1.8,2.5	12	8/7/10/8	B+	B	NO	PRESERVE	
126	Crape Myrtle	*Lagerstroemia indica*	2.6,1.2,1.1,1.6	12	4/5/7/7	B+	B	NO	PRESERVE	"Leader" trunk has damage
127	Crape Myrtle	*Lagerstroemia indica*	1.8,1.8,2,2	14	7/7/7/7	B+	B	NO	PRESERVE	
128	Carrotwood	*Cupaniopsis anacardioides*	13.7	22	13/13/15/15	A	B+	SIGNIFICANT	PRESERVE	
129	Carrotwood	*Cupaniopsis anacardioides*	20.7	25	15/17/17/15	A	B+	SIGNIFICANT	PRESERVE	Tree well needs to be enlarged for better growth.
130	Crape Myrtle	*Lagerstroemia indica*	4, 3.4, 3.7, 3, 2.8, 3.4, 3.1, 4.5, 4.6	20	7/8/7/8	A-	B	SIGNIFICANT	PRESERVE	
131	Crape Myrtle	*Lagerstroemia indica*	5.2	16	6/8/10/8	A-	B+	NO	PRESERVE	
132	Queen Palm	*Syagrus romanzoffiana*	9(BT-13')	22	12/12/12/12	A	B+	NO	PRESERVE	
133	Hollywood Juniper	*Juniperus chinensis 'Torulosa'*	10.5	16	7/7/7/7	A	B	SIGNIFICANT	PRESERVE	Significant leading. Growing into canopy of adjacent tree. Distance from building does not meet LAUSD canopy clearance requirements
134	Hollywood Juniper	*Juniperus chinensis 'Torulosa'*	7.6	15	7/8/6/5	A	B	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
135	Hollywood Juniper	*Juniperus chinensis 'Torulosa'*	5.5	14	6/9/3/0	A	B	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
136	Hollywood Juniper	*Juniperus chinensis 'Torulosa'*	3.3, 8.7	15	8/10/6/2	A	C+	SIGNIFICANT	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
137	Hollywood Juniper	*Juniperus chinensis 'Torulosa'*	4.4, 7.2	15	7/10/8/0	A	B	SIGNIFICANT	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
138	Hollywood Juniper	*Juniperus chinensis 'Torulosa'*	4.5	10	0/7/0/0	A	B	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
139	King Palm	*Archontophoenix alexandrae*	7, 8 (BT-5, 8')	16	7/5/7/9	A-	B+	NO	PRESERVE	

140	King Palm	*Archontophoenix alexandrae*	7, 8 (BT-6, 6')	15	8/7/8/8	A-	B+	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
141	Hollywood Juniper	*Juniperus chinensis 'Torulosa'*	1.3, 3.4, 3.8	14	5/5/5/5	A	B	SIGNIFICANT	PRESERVE	
142	Hollywood Juniper	*Juniperus chinensis 'Torulosa'*	4	15	5/5/5/5	A	B	NO	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
143	Queen Palm	*Syagrus romanzoffiana*	8 (BT-18')	25	12/12/7/8	A	B+	SIGNIFICANT	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
144	Queen Palm	*Syagrus romanzoffiana*	8 (BT-16')	22	12/12/12/8	A	B+	SIGNIFICANT	PRESERVE	
145	Queen Palm	*Syagrus romanzoffiana*	9 (BT-14')	20	10/10/10/8	A	B+	NO	PRESERVE	
146	Paperbark	*Melaleuca quinquenervia*	14.7, 10.8	30	7/13/12/7	A-	B	SIGNIFICANT	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
147	Australian Willow	*Geijera parviflora*	4	16	6/7/5/4	A-	B-	NO	PRESERVE	Significant leaning into building / Adjacent colum. Distance from building does not meet LAUSD canopy clearance requirements
148	Australian Willow	*Geijera parviflora*	4.1	16	7/7/7/7	A	B+	NO	PRESERVE	
149	Paperbark	*Melaleuca quinquenervia*	19.6	35	10/14/13/17	A-	B	SIGNIFICANT	REMOVE	Canopy has been halved for pruning against building
150	King Palm	*Archontophoenix alexandrae*	8(BT-14')	20	6/6/6/6	B	B	NO	PRESERVE	
151	Australian Willow	*Geijera parviflora*	10.5	20	10/14/14/9	A-	B	SIGNIFICANT	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements
152	Australian Willow	*Geijera parviflora*	9.6	20	12/10/14/10	A-	B+	SIGNIFICANT	PRESERVE	
153	Australian Willow	*Geijera parviflora*	9.7	20	10/14/13/12	A	B+	SIGNIFICANT	PRESERVE	
154	Australian Willow	*Geijera parviflora*	10.7	20	12/12/12/12	A	B+	SIGNIFICANT	PRESERVE	Distance from building does not meet LAUSD canopy clearance requirements

155	Australian Willow	*Geijera parviflora*	7.1	20	10/10/10/10	A	B+	NO	PRESERVE	
156	Australian Willow	*Geijera parviflora*	9.3	22	10/10/10/10	A	B+	SIGNIFICANT	PRESERVE	



ARBORIST TREE SURVEY AND RECOMMENDATIONS

TREE EVALUATION

- # — CITY OF LOS ANGELES "SIGNIFICANT" TREE (> 8" DBH)
- # — NON-PROTECTED TREE (> 8" DBH)
- # — WESTERN SYCAMORE CITY OF LOS ANGELES PROTECTED TREE
- WESTERN SYCAMORE CANOPY

NOTE: SIMPLIFIED COMPOSITE SURVEY PRODUCED BY HKLA. DOCUMENTATION PRODUCED BY CARLBERG ASSOCIATES. SEE ARBORIST REPORT FOR ADDITIONAL INFORMATION

Final Historic Resource Evaluation Report for James A. Garfield High School, Los Angeles, California

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PN 28120.07

This Historic Resource Evaluation Report (HRER) summarizes a historical resources study for James A. Garfield High School (Garfield HS), located at 5101 East Sixth Street, Los Angeles, California (APN 5248-021-901, 5248-010-904, and 5248-012-914). Los Angeles Unified School District (LAUSD) requested this evaluation to help identify and document historical resources on the campus, which is slated for upcoming projects. This documentation ensures consideration of any buildings more than 45 years of age within the campus and was guided by the *LAUSD Historic Context Statement, 1870 to 1969* (Sapphos 2014). This assessment was prepared by ASM Affiliates, Inc. (ASM) to determine the historical resource/historic property status of the buildings of the Garfield HS campus, both individually and as potential contributors to a historic district, and to facilitate LAUSD compliance with the California Environmental Quality Act (CEQA) and the National Historic Preservation Act (NHPA).

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EXECUTIVE SUMMARY

Brief Overview of Campus

The Garfield HS campus is located in an area of early residential development in the unincorporated community of Los Angeles County known as East Los Angeles. The primary entrance is at the south side of campus on East Sixth Street. The campus contains a collection of buildings 45 years or more of age constructed from 1925 to 1975, with the majority constructed in the 1960s. Over time, many buildings have been demolished and replaced for various reasons, including the 1933 Long Beach Earthquake and the need for expansion to accommodate increases in enrollment. The result is a campus with relatively little open space between buildings and that lacks architectural consistency, as larger buildings replaced earlier smaller ones and new buildings filled remaining spaces.

Summary of Findings

ASM carefully considered the eligibility of the Garfield HS campus and its individual components as potentially significant under National Register of Historic Places (NRHP)/California Register of Historical Resources (CRHR) Criteria A/1, B/2, C/3, and D/4; as CEQA-defined historical resources; and as NHPA-defined historic properties. The evaluation was conducted in conformance with NRHP Bulletin *How to Apply the National Register Criteria for Evaluation* (National Park Service Bulletin No. 15 1997), the California Office of Historic Preservation's *Instructions for Recording Historical Resources* (1995), and Technical Assistance Series #7 *How to Nominate a Resource to the California Register of Historical Resources* (2001).

ASM referred to the *LAUSD Historic Context Statement, 1870 to 1969* (Sapphos 2014) for guidance in the full evaluation of the buildings as individually eligible and the campus as a historic district within the context of LAUSD's nearly 800 campuses. To summarize the findings of this HRER, ASM prepared California Department of Parks and Recreation (DPR) forms, including A and BSO forms (Appendix A).

As a result of the research conducted for this report, ASM identified a potential historic district significant for its association with the 1968 student walkouts ("Blowouts"). The Garfield High School Historic District is an outstanding representation of the theme of LAUSD and the Civil Rights Movement established in the *LAUSD Historic Context Statement.* None of the buildings or structures are recommended as individually eligible under NRHP and CRHR Criteria A/1 and C/3. Therefore, only the historic district qualifies as an historical resource pursuant to the CEQA and historic property pursuant to the NHPA.

Key Staff

This HRER was prepared by ASM staff who meet the qualifications of the Secretary of the Interior's (SOI's) *Professional Qualification Standards* for Architectural History and History.

Marilyn Novell, M.S., was the lead author of this HRER. Novell has performed extensive historical services throughout California and has been with ASM since 2015. She meets the SOI's *Professional Qualification Standards* as Architectural Historian and Historian. Prior to her work with ASM, Ms. Novell served as assistant project manager for the *LAUSD Historic Context and Comprehensive Survey*, which received preservation awards from the California Preservation Foundation and the L.A. Conservancy. She conducted background research, wrote summary reports, and surveyed 56 postwar LAUSD campuses. In addition to that wealth of experience working in educational settings, Ms. Novell has continued to work at LAUSD campuses while at ASM, for example evaluating Collins Street and Foshay schools, and conducting project-level reviews for proposed renovations to six LAUSD campuses

in compliance with the Americans with Disabilities Act (ADA) to comport with the *Los Angeles Unified School District Design Guidelines.*

Shannon Davis, M.A., RPH, has more than 23 years of experience in the field of historic preservation, 10 of which have been spent in a senior role managing ASM's historic preservation task orders, including multiple historic preservation on-call contracts. Ms. Davis has been working in educational settings, specifically at LAUSD schools, since 2011 when she prepared a HABS documentation package for Cienega Elementary School in the Culver City neighborhood. Since that time, Ms. Davis has completed multiple reports for schools, evaluating buildings on elementary, middle school, high school, and college campuses. Many of these projects were prepared for LAUSD schools through on-call contracts with LAUSD as both a prime and sub consultant.

INTRODUCTION

For this HRER, ASM conducted archival research regarding the Garfield HS campus, including databases of historic newspapers, Los Angeles County Assessor's maps, Los Angeles Zoning Information and Map Access System (ZIMAS), the Los Angeles Public Library, and historic aerial photographs. As-built architectural drawings and construction documents provided by the LAUSD Office of Environmental Health & Safety were reviewed prior to visiting the campus and were consulted in the process of this evaluation. Academic and professional sources were consulted for information about the architects, where known, and to determine their relevance and potential influence in the field of architecture (e.g., Pacific Coast Architecture Database and American Institute of Architects Historical Directory). the campus is not within the City of Los Angeles, the only building permits available for the parcels were those issued by the County for sewer connections (Los Angeles County Building & Safety permit no. 12607, issued September 14, 1929; and permit no. 75737, issued December 10, 1946). Sanborn maps are not available for the area.

ASM was unable to physically access the LAUSD collection at the University of California, Los Angeles, because it is currently closed to accommodate construction and maintenance. However, the collection was searched for several earlier LAUSD projects for Roosevelt High School (HS) (ASM 2018a, 2018b; Impact Sciences 2017, 2018). Under Criteria A/1, the schools share an association with the 1968 student protests known as the Blowouts, which took place throughout East Los Angeles (East L.A.), including at five LAUSD high schools; much of the material gathered from the collection related to Roosevelt HS also applies to Garfield HS. Garfield HS also holds extensive archival collections related to the history of the campus, including yearbooks, which has been digitized and is available on the school website.

This report is organized into the following sections: Executive Summary, Introduction, Campus Description and History, Neighborhood Context, Architects, Architectural Descriptions, Significance Evaluation, and Conclusion. Figures, including maps and photographs, are included as Appendix A, California Department of Parks and Recreation (DPR) Series 523 forms as Appendix B, and a list of architectural drawings consulted as Appendix C.

Location

Garfield HS is located in the census-designated community known as East Los Angeles (East L.A.). Boyle Heights is adjacent to the west, lying between East L.A. and Downtown Los Angeles. East L.A. is dominated and defined by several major freeways. The San Bernardino Freeway (US 10) generally marks the northern boundary of East L.A., and the Santa Ana Freeway (US 5) generally marks the southern boundary. The Pomona Freeway (CA 60) and the Long Beach Freeway (US 710) cross at the approximate center of the community.[1] Garfield HS is in the southeast quadrant of East Los Angeles at 5101 East Sixth Street. The campus is bounded by Fraser Avenue on the west, Escuela Street on the north, and South Woods Avenue on the east (Figures 1–3).[2]

Current Historic Resource Status

Previous surveys of LAUSD schools, specifically Heumann (2002), did not include Garfield HS. As the campus is not within any City of Los Angeles Community Plan area, it was not recorded by SurveyLA (ARG 2014). Research revealed no previous evaluations of the campus or the individual buildings on campus.

[1] Community boundaries follow those indicated by Mapping L.A./East Los Angeles, a project of the *Los Angeles Times.* Available at: https://maps.latimes.com/neighborhoods/neighborhood/east-los-angeles/; accessed May 24, 2022.

[2] All figures are included in Appendix A of this report.

CAMPUS SITE DESCRIPTION AND HISTORY[3]

Garfield HS opened its doors on September 4, 1925, amid ongoing construction (*The Gardens Gazette* 1925). The landscaping was still under development, with the intention of including a lawn with sprinklers and an iron fence enclosing the campus except on the East Sixth Street side (*Garfield News* 1925). The first class had an enrollment of about 1,000 students in 7th through 12th grades. The original campus was a physical representation of what the *LAUSD Historic Context Statement* termed the Progressive Education Movement, Standardization and Expansion, 1910 to 1933. Garfield HS is shown in a 1929 photo in the context statement with the captions: "While the campus still occupies this site, very little of the original campus appears intact. Note semicircular driveway and approach to school, generous setback, use of landscaping, and unified campus plan. Expanses of window bays span each elevation" (Sapphos 2014:37) (Figures 4–6). A student handout from 1925 shows the site plan at the time (Figure 7).

The Long Beach Earthquake struck on March 10, 1933, at 5:55 p.m., with a magnitude of 6.4. The aftermath was a sea change in construction standards in schools throughout California. Schools were among those buildings most generally and severely damaged throughout the Los Angeles area. More than 230 school buildings in Southern California were either damaged, destroyed, suffered major damage, judged unsafe to occupy, or totally destroyed as a result. A month later, on April 10, 1933, the Field Act was passed by the California Legislature, banning unreinforced masonry buildings and mandating that school buildings withstand earthquake forces. In 1935, the top section of the bell tower connected to the later-demolished auditorium building was removed because it was weakened in the Long Beach Earthquake (Figure 8). The bottom section was removed 20 years later in the campus reconstruction of 1954–1955 (Garfield HS 2022).

During World War II, the students of Garfield HS participated in a War Department effort, working at Lockheed and Douglas aircraft plants on war aircraft and other war-related machining and assembly projects to support the war effort, for school credit and pay. Garfield students are shown at the Romanesque Revival campus in a short film created for servicemen and women in 1944 by the *Army–Navy Screen Magazine* (1944). During the war, dozens of Garfield students and graduates of Japanese descent were relocated to internment camps under Executive Order 9066 (Garfield 2022). At the end of World War II, the necessity for another city college was acknowledged, to accommodate the large number of returning servicemen and women.

During the 1940s, the Los Angeles City College (LACC) was the only city college in the area. Transportation was limited and costly, reducing the number of students able to attend LACC while at the same time working on the Eastside, which was rapidly becoming an industrial center.

Arthur Baum, editor of the *East Los Angeles Tribune*, headed a citizens' committee of organizations in the community, educational institutions, and various industry. The group presented the proposition of a Junior College to the Los Angeles City Board of Education in a special meeting on March 1, 1945. The Board voted to establish a Junior College to become East Los Angeles College (ELAC), to be located on the Garfield HS campus. ELAC would be the second city college (or junior college) in the Los Angeles area.

With numerous buildings replaced and increases in student enrollment, the 1960s was a decade that largely determined the physical aspect of the campus today. Over the decade, many older buildings were replaced, and new buildings filled much of the remaining space. Notably, a contract for $952,205 was

[3] Except where indicated, the information in this section is excerpted from the Garfield HS website pages on history and the school's extensive online special archive collection (https://www.garfieldhs.org.).

announced in 1962 to partially fund a building phase to include two-story reinforced concrete classroom buildings, a choral music building, and a cafeteria. Plans were to provide 21 classrooms, a foreign language listening room, faculty workrooms and restrooms, and storage. The Cafeteria was to encompass an interior dining area for students with more than 300 seats; an outside food service and dining area; a kitchen; and a faculty dining room with seating for 72. Funds were approved by voters in a school bond building program contract announced by Crowther Crown Construction Co. (*Los Angeles Times* 1962).

In 1963, the Parking Garage/Classroom D building was completed, including the enclosed breezeway and the new Cafeteria was completed. The following year, the building housing the original Cafeteria was demolished. In 1965, the Classroom Building at the corner of East Sixth Street and Woods Avenue was completed, and the Shop Building and the new Boys' and Girls' Gymnasium were completed in 1967, as the original Gymnasium was demolished.

The Classroom/Utility Building on Fraser Avenue was completed in 1968, comprising 21 rooms and the only plastics shop in the District. The same year, the first computer class was offered at Garfield. In 1969, bonds were issued for $37 million for projects throughout the District aimed at structural strengthening of existing buildings constructed prior to the 1933 Field Act. Garfield HS was scheduled to have 15 classrooms strengthened, 10 new classrooms, and a library and new offices (*East Los Angeles Tribune* 1969a; *Northeast Star-Review [Los Angeles]* 1969). Another bond was sought that same year, including $25.4 million to continue the program of replacing or rehabbing classrooms built before the Field Act, including projects at Garfield HS (*East Los Angeles Tribune* 1969b). One of those projects was demolition of the Social Science Building, constructed pre-1933. The new Library/Classroom Building was connected via multi-level arcades to the Parking Garage/Classroom D (100 Building) on the west and the Science Building (300 Building) on the east (*Highland Park News-Herald and Journal* 1969) (Figure 9).

The 1968 Blowouts[4]

Garfield HS was among the "Walkout Schools," consisting of five historic school campuses that were instrumental locations in the 1968 East L.A. Chicano Student Walkouts, commonly known as "the Blowouts," which galvanized the national Chicano Civil Rights Movement. More than 15,000 students from several high schools walked out of class to protest poor conditions at their schools. The other four schools were Roosevelt High School, Lincoln High School, Belmont High School, and El Sereno Middle School (formerly Woodrow Wilson High School). These protests gained wide media attention when police actions led to violence at some of the demonstrations, and they encouraged similar walkouts across the nation. Around the same time, college students began organizing and demanding Chicano-related courses and programs (GPA and Nicolaides 2015:24).

The groundwork for the 1968 Blowouts appears to have been set as early as 1942. On May 28, a request was made to the Board of Education regarding the establishment of war emergency and defense training classes "in schools that serve areas where Negroes and Mexicans reside." The Superintendent stated that war preparation curricula would be offered at various high schools, including Jefferson High School and Garfield High School (UCLA 1942a).

On August 3, 1942, Reverend Clayton D. Russell, Pastor of the Independent Church of Christ, addressed the Board concerning discrimination in the training of minority groups and women for defense industry classes. Russell pointed out that there was no equipment available at Garfield High School or Jefferson High School for these classes. Russell also raised community complaints about the re-zoning of high

[4] Except where indicated, the history of the 1968 Blowouts is excerpted from ASM Affiliates, Inc. (2017). *Draft Supplemental Historic Resource Evaluation Report for Roosevelt Senior High School, Los Angeles, Los Angeles County, California.* Prepared for Impact Sciences and the Los Angeles Unified School District.

school districts and students being forced to pay for transportation when they could otherwise walk to school. The Superintendent stated that the re-zoning affected "every pupil within a Negro district" (UCLA 1942b).

The SurveyLA *Latino Los Angeles Historic Context Statement* describes the roots of segregation and discrimination against Mexican students in Los Angeles public schools in the Progressive era, when "Americanization" was the goal in educating immigrants (GPA and Nicolaides 2015:43–44). Mexican-Americans at the time had a similar attitude, and in 1929, the oldest Latino civil rights group in the United States (U.S.), the League of United Latin American Citizens (LULAC), was founded with a mission of empowering Mexican-Americans through assimilation. A combination of good intentions and prejudice against Mexicans over decades led to the placement of Mexican students in vocational rather than academic programs and resulted in widespread segregation in the schools. These conditions had become institutionalized by the 1940s, setting the stage for the 1954 landmark *Brown v. Board of Education* decision by the U.S. Supreme Court that officially ended school segregation, although factors such as ethnically separate neighborhoods, language, and economic status contributed to a continuation of de facto segregation (GPA and Nicolaides 2015:52–56).

Although it is difficult to trace the East L.A. student protests, commonly referred to as the Blowouts, to one particular group or person, the Mexican American Youth Leadership Conferences for high school students held at Camp Hess Kramer were certainly a contributing factor. Hundreds of Mexican-American student leaders gathered at the annual conferences, which were intended to promote citizenship but also became forums for discussing problems at the schools (Tejeda 2011:38). In 1963, Sal Castro had just begun his teaching career at Belmont High and volunteered at the conference. There he found hundreds of students from all over L.A. County who all expressed similar grievances about poor conditions in the schools and lack of opportunity for Mexican-American students. At the time, dropout rates for Mexican-American students in 1968 in East L.A. were among the highest in the nation: 45 percent at Roosevelt, 57 percent at Garfield, 39 percent at Lincoln, and 35 percent at Belmont. Castro described the conferences and the 1968 Blowouts as "one big package" (Ochoa 2010). The low rumble of unrest became clearly audible when Castro came across an article in *Time* magazine called "Minorities: Pocho's Progress," which described "the bleak barrios" of East L.A. as full of "rollicking cantinas with the reek of cheap red wine and greasy taco stands and the rat-tat-tat of low-riding cars down the avenue" (*Time* 1967). Castro was enraged that his community and people were viewed in that way and began organizing meetings with students from Lincoln, Wilson, Roosevelt, and a few other schools. This loose organization eventually led to the 1968 Blowouts (Ochoa 2010).[5]

Under this cloud of unrest, in the fall before the Blowouts took place, Castro was teaching at Lincoln High School. Students there told him they wanted to walk out in protest and asked for his help. "Don't walk out," Castro advised them, "organize." A Blowout Committee was formed at four East L.A. schools (Roosevelt, Lincoln, Garfield, and Wilson), and another committee included students from all four schools. Belmont High was not among the original four schools that organized the Blowouts. Belmont formed their own Blowout Committee soon after and walked out on March 8, along with the other schools (Torgerson 1968). The result was what some called the "Mexican-American revolution of 1968." In the largest chain of events of its kind, for a week and a half students, parents, activists, and teachers participated in walkouts and demonstrations, made speeches, and held sit-ins. Anxious officials responded by calling in law enforcement and holding emergency sessions of the Board of Education (Torgerson 1968).

[5] The book co-authored by Sal Castro, *Blowout! Sal Castro & the Chicano Struggle for Educational Justice* (Mario T. García and Sal Castro, 2011, Chapel Hill, North Carolina), provides a detailed, first-hand chronology and description of the Blowouts. The Edward James Olmos–directed film "Walkout" was based on this book.

Heeding Castro's advice, students had taken their grievances to the Board before organizing the walkouts. The Board invited them to speak at the upcoming meeting, but the students notified Board member Dr. Nava of their intention to walk out of school and instead requested that Board members meet with them the following morning at a neutral location—either Hazard Park or adjacent to a nearby school district office (Board 1968a). Nava, the only Mexican-American on the Board, played an important role in this meeting. He introduced the students' list of demands, a Brown Berets pamphlet,[6] and an anti-walkout flyer by a Mexican-American student organization with a headline reading "NO MORNING WALKOUT!!!" The documents illustrated a lack of unity among the Mexican-American students regarding the walkouts (Sosa 2013:120).

The first round of student protests took place at five LAUSD schools in East L.A. and near downtown. Garfield, as well as the other high schools that participated in the first round of protests—Lincoln, Roosevelt, Belmont, and Wilson—had predominantly Mexican-American student populations (Reich 1968). Preceding the planned Blowouts, on March 1, 1968, approximately 500 student protesters walked out of Wilson High in a spontaneous reaction to the cancellation of a school play that was considered inappropriate.[7] In solidarity, the central Blowout Committee swiftly called for walkouts at the remaining schools. Then, on Tuesday, March 5, the first organized "official" walkouts took place simultaneously at Garfield, Roosevelt, and Lincoln high schools.

At first, school and police officials did not know how to respond to the walkouts. At Lincoln High, administrators allowed the students to leave the school grounds peacefully, and police escorted them to a nearby park where they held rallies. When the walkouts began to spread to other schools, officials from the school district and the Los Angeles Police Department (LAPD) took a harder line. At Roosevelt High on March 5, administrators locked the gates that surrounded the school to prevent striking students from leaving, and LAPD squad cars massed around the campus to intimidate the strikers (Escobar 1993:1495).

On Wednesday, March 6, students at Roosevelt walked out again and gathered outside the school on Fourth Street and on Mott Street. At about 2 p.m., police broke up the groups of students and took several into custody. Two days later, when Roosevelt principal Thomas C. Dyer heard students discussing whether to walk out again, he invited them to attend an assembly in the school auditorium. At the assembly, he emphasized restraint in the protests and pledged that there would be no disciplinary action as long as there was no violence. After the assembly, Dyer decided to dismiss school early and enlisted 10 or 12 teachers to escort students to exits where they would not have to cross police lines. Meanwhile, students were coming up to Dyer to report on ongoing violence against Roosevelt students. Although Dyer believed that some of the reports were exaggerated, he later stated he thought both the police and the students had overreacted (Reich 1968).

On the same day, about 250 Garfield High students boycotted classes and marched from campus to Atlantic Park, carrying signs emblematic of their desired policy changes and identity. Signs such as "no more fences around the school," "smaller classes," "strike now," and "Chicano power" translated into Chicano demands for educational equity. Although members of UMAS, a college-student activist group consisting of students from college campuses around the city, "urged the high school youngsters to return to classes," students marched back to Garfield, "where other students were urged to join them, and about

[6] The Brown Berets were an organized group of young Chicano students, many of them college students, who were self-proclaimed radical activists who espoused "Brown Power." They participated in the organization of the walkouts and in some of the protests. They were seen by some as agitators who were responsible for the Blowouts (Torgerson 1968).

[7] Wilson High was sometimes omitted from lists of the first schools to participate in the protests, perhaps because the walkout was spontaneous in that case. (The Chicano newsletter *La Raza* [March 31, 1968] shows photos of student protests at Garfield, Roosevelt, Belmont, and Lincoln.) Belmont was sometimes omitted from the earliest descriptions of the events, arguably because the school came on board with its own Blowout Committee a little later than the others. Regardless, essentially there were five schools involved in the initial Blowouts (a *Los Angeles Times* map from March 12 shows all five).

100 returned to the park for more discussions." Garfield Principal Reginald Murphy called "an impromptu assembly," where he read a list of student demands. Some student leaders "urged an end to the boycott" during the assembly (Sosa 2013:119) (Figures 10–16).

On March 7, Belmont students walked out. Later that day, a large crowd began to assemble at the Board meeting. The group included African American students, parents, community organizers, and Chicano students and activists from East L.A. Although African American students at Jefferson High in South-Central L.A. were simultaneously protesting, they took a different approach than the Chicanos. The African American students presented only four demands, whereas the East L.A. students presented many more. The East L.A. students also had to contend with dissent from other students within the school as well as the community. Although the Jefferson students appeared to be walking out in solidarity with the Mexican-American students, these differences resulted in separate demonstrations and distinctly different calls for change (Sosa 2013:113).

On Friday, March 8, more than 1,000 students boycotted classes for the fourth straight day at Roosevelt, Garfield, Lincoln, and Wilson high schools. The same day, teachers at predominately black Jefferson High dismissed classes as a concession to student militants (McCurdy 1968). Nineteen juveniles and one young adult were arrested at two other schools. Student leaders vowed to continue the boycott unless the Board agreed to meet with them at Lincoln High or on some other neutral ground. The students convened at Hazard Park, 2230 Norfolk Avenue, for a mass protest. Also at the meeting were Board members Dr. Julian Nava and Ralph Richardson, and state representative Edward Roybal. Nava pledged that no disciplinary action would be taken as long as no violence [by protesters] occurred.

At a special meeting on March 11, 1968, student body representatives from Garfield, Lincoln, Wilson, Belmont, Roosevelt, Jefferson, Hamilton, and Marshall high schools spoke before the Board and presented a list of 36 demands (Figures 17 and 18). Meanwhile, School Superintendent Jack Crowther was seeking ways to establish control over students. In a memo dated the same day addressed to selected school administrators, Crowther set forth mandates that would assign responsibility for future demonstrations "on or adjacent to school sites caused by an individual or a group whether students or otherwise." The memo stated that law enforcement would "be in charge of all law enforcement aspects of the situation utilizing all appropriate means available" and that school officials or community organizations were not to interfere with the operations of law enforcement. Crowther (1968a) singled out "Garfield, Lincoln, Roosevelt, and Wilson in East Los Angeles; Belmont in downtown Los Angeles; and Jefferson and Carver Junior High School in South Central Los Angeles." By establishing a policy that applied to those specific schools and not the district as a whole, all students attending these schools became suspect, regardless of their degree or lack of participation in the demonstrations (Sosa 2013:130).

At a subsequent special Board meeting on March 26, held at the Lincoln High School auditorium at the request of the students, the Board presented their responses to each of the 36 demands. Sal Castro, advisor to the protesting students, presented a student representative of the Blowout Committee from each of four schools (Lincoln, Roosevelt, Wilson, and Garfield). Presentations were also made by students, parents, and teachers from the high schools, and a member of the Brown Berets (Board 1968b). Although the Board was in agreement with many of the demands, the responses essentially refuted or defended against each, citing inaccuracy of statements regarding conditions and financial constraints. The Board also presented figures to illustrate their claim that the pupil-to-teacher ratios at the four schools were comparable to or lower than those of schools in more privileged areas (Crowther 1968b).

Thirteen activists (who came to be called the East L.A. 13), including Lincoln High teacher Sal Castro, were indicted by the County Grand Jury a few months after the protests (Figure 19). Charged with conspiracy for having planned the demonstrations, the organizers faced a total of 66 years in prison if convicted. In returning the indictments, the grand jurors found there was sufficient evidence to show that

the protests staged at Garfield, Lincoln, Roosevelt, and Belmont high schools were not spontaneous, but rather the result of careful off-campus planning by non-students. Charges were struck down two years later by the California State Appellate Court (Berta-Ávila et al. 2011xi).

The Legacy of the Blowouts

In the immediate aftermath of the Blowouts, a lengthy *Los Angeles Times* article was titled with the query "Start of a Revolution?" (Torgerson 1968). The story placed the recent demonstrations within the context of the past and speculated about the future of education in East L.A. Since World War II, leaders of the Mexican-American community had been calling for "unity, change, better education, civil rights, economic opportunity, and an end to what they called second-class citizenship" (Torgerson 1968). When the students walked out in March of 1968, the community supported them. People of a previously conservative older generation jammed the school Board meetings and shouted their approval of the demonstrations, and parents joined their sons and daughters in marches and sit-ins. Within a week after the Blowouts, claims were already being made that they heralded a powerful new unity in "brown power" that was drawing national attention and enthusiasm. Some were less optimistic about the long-term effects, saying "they'll wait a while before they'll believe a few thousand school children can lead the typically divided, splintered Mexican-American millions into becoming a unified power" (Torgerson 1968). They did not have to wait long.

The 1968 walkouts "focused national attention, for the first time, on urban Chicanos as a vocal, assertive minority group" (Del Olmo 1978). "It was a definite break with the past," stated Mexican-American historian Rudy Acuña. "Before the walkouts," he continued, "all through the civil rights movement, people said Chicanos didn't do things the way the blacks did. But when they saw the results of the blowouts, there was no turning back" (Del Olmo 1978). Dr. Nava, a member of the Board of Education during the walkouts, said "[t]he schools will not be the same hereafter" (Del Olmo 1978).

The 1968 Blowouts differed from previous protests by Mexican-Americans in that the students who walked out of schools in Los Angeles were explicit in insisting that it was education as a social institution that was failing for Latinos and in demanding educational equality. As one Latino scholar put it, "[t]he walkouts of 1968 were fundamentally important because, far from simply turning away from schooling, Chicana/o students intended to take back their schooling" (Tejeda 2011:31). Concurrent with the national climate of unrest surrounding civil rights in the 1960s, Mexican-American students in Los Angeles began to request and demand smaller classes, more Latino teachers, bilingual classes, counseling for college entrance rather than automatically channeling Latino students into vocational programs, and a curriculum that addressed Latino history and interests.

As an indication of the significance and continuing influence of the walkouts to the Mexican-American community and the population at large, the Blowouts have been the subject of numerous books and articles, both popular and academic. The events were also memorialized in a 2006 HBO film directed by Edward James Olmos titled "Walkout." The movie, filmed at Garfield High, presents a fairly accurate but fictionalized account of the events of 1968. A 1996 four-part PBS documentary titled "Chicano!" featured the Blowouts in an episode called "Taking Back the Schools" (PBS 1996).

On the tenth anniversary of the walkouts, the effects of the protests were still being felt. The *Los Angeles Times* published an article following up on some of the major players in the 1968 events titled "No Regrets, Chicano Students Who Walked Out Say: '68 Protest Brought Better Education, Most Believe Strike Helped, Ex Students Say" (Del Olmo 1978). However, accounts on the twentieth anniversary of the Blowouts depicted East L.A. schools as having changed little, citing dropout rates of 30 percent to 49 percent at five schools (Belmont, Garfield, Lincoln, Roosevelt, and Wilson), although the number of Latino teachers and administrators had increased markedly, and at that time there were 6,000 bilingual

classrooms (Woo 1988). In another look back 40 years later, a *Los Angeles Times* story titled "'68 to '08—We're Not Finished" claimed that although there had been improvements in the conditions of Latino students, such as the end to the previous ban on speaking Spanish in school, there was much more to be accomplished (*Los Angeles Times* 2008). Regardless of the failure to achieve all the goals of the protesters, the Blowouts had a broad effect on the equal treatment of all minorities in the educational system and on civil rights in general. Teaching materials reflecting on the fortieth anniversary of the Blowouts emphasized the importance of teaching Chicana/Chicano high school students about their history in the schools to enable them to see that so-called student failure is not rooted in individual students, families, and teachers but in an ongoing legacy of educational injustice (Ochoa 2008).

NEIGHBORHOOD CONTEXT

East Los Angeles is an unincorporated area in Los Angeles County. It has among the highest population densities for the county, and its ethnicity is 96.7 percent Latino, primarily Mexican. It is said to have the highest proportion of Hispanic Americans of any city of Census-designated place in the U.S. outside of Puerto Rico (*Los Angeles Times* 2022).

East L.A. was the first subdivision in the city of Los Angeles that was east of the Los Angeles River. The area was first subdivided from a portion of the original Pueblo de Los Angeles in 1873 and opened for development during the peak of the region's first boom. The name of the community, however, was changed by a vote of residents in 1917 to Lincoln Heights (City of Los Angeles 2007:11–12). Later, Boyle Heights emerged as a separate smaller neighborhood in the western area of Lincoln Heights (Spitzzeri 2020).

On April 2, 1905, it was reported that the Janss Investment Company would be developing an area "on Boyle Heights." The 170-acre tract was located at the eastern terminus of the Los Angeles Railway's "R" streetcar line. Originally known as "Hazard's Eastside Extension," it was to be called Highland Villa (*Los Angeles Herald* 1905). The tract would later be renamed Belvedere Heights. Belvedere Heights, at its launch in 1905, extended east from the L.A. city limits marked by Indiana Street to Rowan Avenue on the east, from Aliso Street on the south to Wabash Avenue on the north, the northwestern portion of today's East L.A.

In February 1921, acknowledging the "overflow" of the City to the east, the Janss company announced that it had purchased 154 additional acres adjacent to the end of the streetcar line on Stephenson Avenue, now Whittier Boulevard, south of Belvedere Heights. The company divided the empty land, acquired from the historic Spanish Rancho Laguna, into housing a grid of square-mile lots (*Los Angeles Evening Express* 1921). Janss called the new tract Belvedere Gardens, a label still shown on maps for the area east of the Long Beach Freeway. The parcels were touted as "Little Farms" of nearly a half an acre, where owners could save money by growing their own food and raising livestock. Several advantages of the subdivision were claimed, including the independence of owning a place of one's own "without fear of the landlord" (*Los Angeles Times* 1921). It was claimed that the homes to the west were "more pretentious and costly," whereas the growing area to the east was "a community of "artisans and workers and men who are their own gardeners" (*Los Angeles Record* 1922) (Figures 20-22).

In 1932 local business leaders gave the name East Los Angeles to Belvedere and adjacent areas (which had been known as Belvedere Gardens, Belvedere Heights, Laguna, etc.). However, in 1937, the Automobile Club of Southern California put up three large signs reading "Belvedere Gardens." This led to the business leaders uprooting the signs, with a "burial ceremony" for the signs. With 150 State, County, and City officials attending, the area was unofficially renamed East Los Angeles. Several County buildings were renamed in line with the new name. At that time, the area had 75,000 residents and was "declared to be the largest unincorporated locality in the world." Eventually, the name Belvedere Gardens, which started as a commercial subdivision, was assigned to the community itself. In 1937, with some effort on the part of boosters and members of the community, the name was officially changed to East Los Angeles (*Los Angeles Times* 1937).

As intended by the developers, during the first decades of the twentieth century, East L.A. became a destination for working-class Angelenos of diverse ethnic backgrounds, many of whom worked for industries oriented around the Southern Pacific Railroad (which built its yards in the neighborhood in 1902) and established their households nearby. Agricultural interests, wineries, breweries, building materials manufacturers, and all kinds of distributors operated out of Lincoln Heights. Like Boyle

Heights, East L.A. was a neighborhood that served as a first point of entry for many of Los Angeles's immigrant communities; new arrivals from Mexico, Italy, Yugoslavia, Ireland, Russia, Germany, and many other places found a home there. It had a sizable Mexican-American population from an early date, which expanded and diversified into a wider Latino American community during the post-World War II population boom (GPA Consulting and Becky Nicolaides 2015:9–10).

CAMPUS ARCHITECTS

Alfred S. Nibecker, Jr.

District Architect and Business Manager Alfred S. (A. S.) Nibecker, Jr., signed architectural drawings for the Club House (Parent Center, also called Reiterman House; 1940) and the ROTC Building (1947). Nibecker guided the Los Angeles school districts through rapid expansion in the 1920s, disaster and depression during the 1930s, and the great postwar boom through the mid-1950s. In the 1920s, Nibecker began private practice in Los Angeles; he joined the Los Angeles City Board of Education as an architect in 1926, where he remained until his retirement in 1955. In his three-decade career with the school district, Nibecker oversaw the construction of, and contributed designs to, hundreds of school plant projects. Many commissions were completed by the district's in-house staff, but many others were handled by a range of the region's best architects and builders, with an increasing number of firms specializing in school design. In addition to his work with the Los Angeles City school districts, Nibecker was a fellow of the American Institute of Architects and served on the National Committee on School House Construction, the National Advisory Council on School Building Problems, run under the auspices of the U.S. Department of the Interior, Office of Education. In 1955, Nibecker was made an honorary member of the Structural Engineers Association of Southern California, the association's highest award (Sapphos 2014:42).

Donald S. Gill

Donald Seamans Gill was born in San Diego on October 19, 1922. At Garfield HS, he designed the Boys' Locker and Shower building in 1960. He attended San Diego State College (1940–1941) and the University of Southern California (1942–1943), where he studied architecture and served as study body president in the College of Architecture. Gill became a member of the American Institute of Architects (AIA) in 1953. At Garfield HS, Gill designed the Boys' Locker and Shower Building (1960). He led his own company from 1953 to 1969. Principal works in California include a high school in Chino (1955); Kennedy High School in Granada Hills (ca. 1971); various schools in the El Monte School District (1955–1962); the California College of Medical Research Center, Los Angeles (1963); St. Christopher's Episcopal Church, La Mirada (1964); and the Elms Sanitarium, Glendale (1966).

Stewart S. Granger

Stewart Sanford Granger was born in Chicago in 1913. He studied architecture at the Illinois Institute of Technology and practiced architecture in Chicago and then in Texas from 1942 to 1946. In 1957, Granger partnered with Charles O. Matcham (*Los Angeles Times* 1956). At Garfield HS, Granger designed several buildings in the 1960s. In partnership with John Harvey Chalmers, Granger designed the Cafeteria (1963). With his own firm, Granger designed a Classroom Building (600 Building, 1965), the Shop Building (500 Building, 1967), the Boys' and Girls' Gymnasium (1967), and the Classroom/Utility Building (700 Building, 1968) (PCAD 1294, 2491). Granger's principal works include a Bank of America branch (1959–1960), an addition to the Los Angeles Turf Club (1960), and the University of California Riverside Humanities Building (1961). Educational projects include the modernist Grover Cleveland High School in Reseda (1958), an addition to Gage Junior High School in Huntington Park (*South Gate Press* 1964), and Granada Hills High School (*Los Angeles Times* 1967).

Norman E. Kocher

Early in his career, Kocher was a member of the Los Angeles firm of Benedict, Beckler & Kocher. The firm designed low-cost multiple housing units at Edwards Air Force Base and at the Naval Ordnance Test Station at Inyokern, among other military projects. Kocher studied architecture at University of Southern California (USC) and worked in construction for six years. He worked at the Los Angeles Board of Public

Works and designed various types of projects throughout his early career, from residential to industrial (*Los Angeles Times* 1954). In 1961, he joined the Los Angeles Board of Education as assistant to the principal architect, in which capacity he designed the lunch pavilion at Garfield HS (*Los Angeles Times* 1961).

W. E. Record

William Emerson (W. E.) Record, served for 21 years as Los Angeles Board of Education Business Manager (*Evening Vanguard [Venice]* 1950). In 1917, his occupation was listed as Assistant Business Manager, Supply Department, Los Angeles City Schools (ancestry.com 2011). He signed architectural plans for the earliest building on campus, the Science Building (originally called Building A, and currently called the 300 Building). There is no evidence that he was a licensed architect; rather, he approved plans that might have been drawn by a staff architect. When Nibecker joined the District, Record continued to sign architectural drawings as business manager, and Nibecker was added as architect. After Record was dismissed, Nibecker served as both Business Manager and Architect. Noted for his extravagant lifestyle, Record was described as an individual "of the 16-cylinder limousine, and political steerer for the clique controlling the public schools" (*Los Angeles Evening Post-Record* 1933). Both Record and his chauffeur were discharged in 1933 for, among bribery and other unsavory practices, allegedly forcing janitors and other mechanical employees of the district to contribute from their salaries to the campaign funds of candidates for the board (*Los Angeles Times* 1933).

EJ Samaniego

EJ (Eduardo Jose) Samaniego designed the 1975 Library and Classroom, which replaced the damaged classical colonnaded original main building and displayed the architect's penchant for Latin-American motifs. Samaniego was born in 1911 in Durango, Mexico, and died in 1999 in Los Angeles. He attended the University of California, Berkeley, and worked as an architect in Los Angeles for more than 50 years (*Los Angeles Times* 1999). Samaniego is listed in the Pacific Coast Architecture Database and attributed with two projects: the Medical Building Project in East L.A. (1941), which might not have been built, and the J.C. Penney Company Department Store in Van Nuys, California, working as the firm of Russell and Samaniego (*Van Nuys News* 1948). His brother was silent screen star Ramon Novarro. He worked on projects for the Archdiocese of Los Angeles, designing many churches and schools in the 1960s (*The Tidings* 1962, 1963, 1964a, 1964b, 1965, 1966). Arguably his most recognizable project is the Screen Actors' Guild building at 7750 Sunset Boulevard, designed with George C. Hall (1956) (*Los Angeles Times* 1955) (Figure 23). He worked in a variety of styles but tended toward modern regionalism with Mexican and other influences, including bell towers, arches, and other Spanish Colonial Revival styles. One of his drawings was described as "California Byzantine" (*The Tidings* 1963).

ARCHITECTURAL DESCRIPTIONS[8]

On March 4, 2022, ASM conducted an on-site survey of the campus to document it with detailed field notes and photographs of the exteriors and interiors (where available) of the buildings more than 45 years of age at Garfield HS (see Figure 3).

The Garfield HS campus is composed of buildings and structures constructed over a wide range of years, from the earliest extant building constructed in 1925 (the Science Building) to one built in 1975 (the Library/Classroom Building). There are two remaining buildings from the 1940s (the Parent Center and the ROTC Building), and the remaining 11 buildings and structures are from the 1960s.

The primary entrance to campus is on East Sixth Street via a portal through a new multi-story administration building. The building has a small landscaped setback from the sidewalk. To the west is the unique Library/Classroom Building, which is set back from the street with a parking area. To the east and west are 1960s classroom and shop buildings, all which are constructed close to their respective streets with minimal setback. All of these buildings share a modernist motif of Roman stack-bond fences and walls. In the interior of the campus are the Cafeteria/Lunch Pavilion and a quad area to the west. Playing fields, the Boys' and Girls' Gymnasium, and ancillary buildings are located toward the north side of campus.

When the campus was surveyed for this report, 11 buildings, in addition to features of the campus grounds, specifically the Playing Field and South Bleachers, were determined to be of potential historical significance. The campus buildings and structures generally have names assigned by LAUSD, as well as alternate names assigned by the campus, which are included below with the descriptions of each building. In some cases, the original architectural drawings used yet another set of identifiers. The nomenclature used by LAUSD facilities is used as the primary descriptor throughout this report, and the facilities identification numbers assigned by LAUSD are included in Table 1. A list of architectural drawings consulted for this report is contained in Appendix C.

Table 1. Buildings and Structures Surveyed

Building Name	Alternate/Historical Name	Facility ID	Architect	Year Built
Science Building	Building A; 300 Building	21009	W. E. Record	1925
Parent Center	Reiterman House; Club House	23731	A. S. Nibecker, Jr.	1940
ROTC Building		16334	A. S. Nibecker, Jr.	1947
Boys' Locker and Shower Building	Field House	23376	Donald S. Gill	1960
Storage Building		20890	Kenneth Bergstrom	1960
Cafeteria/Lunch Pavilion and Arcade #1	Lunch Shelter	15982 and 37906	Granger Chalmers & Associates/Norman E. Kocher	1962 and 1968
Parking Garage/Classroom D	100 Building	24258	Stewart S. Granger	1963
Classroom Building and Arcade #2	600 Building	24164	Stewart S. Granger	1965
Shop Building and Arcades #2 and #3	500 Building	23065, 37917, and 37916	Stewart S. Granger	1967

[8] A comprehensive set of architectural drawings is available at the LAUSD Facilities Services Division Vault, filed under Garfield HS, no. 8679. Details of the original construction, including architectural firms and dates, are derived from these records. A list of drawings referred to is included as Appendix C.

Building Name	Alternate/Historical Name	Facility ID	Architect	Year Built
Boys' and Girls' Gymnasium		21528	Stewart S. Granger	1967
Field Sanitary Building and Arcade #4	Restrooms	20818 and 37934	Stewart S. Granger	1967
Classroom/Utility Building		21012	Stewart S. Granger	1968
Library/Classroom Building	—	21010	EJ Samaniego	1975
Stadium/Bleachers	—	—	—	c. 1950
Quad	—	—	—	1969

Science Building (300 Building)

The Science Building, also known as the 300 Building or Building 6 (originally Building A), was constructed in 1925. It is the oldest building on campus. The design for the three-story, 30,248-square-foot building was attributed to Board of Education Business Manager W E. Record (see Appendix C). It is the oldest building on campus and the only one remaining from six original buildings planned in 1924. The original plot plan showed buildings A and C flanking a round driveway off of East Sixth Street with a main building (Building B) at the top of the drive (Figures 24–39).

The Science Building has a flat roof and is clad in plaster.[9] Varying arrangements of identical vertically oriented three-by-two over three-by-two metal replacement windows are repeated at the second and third floors. Windows are recessed with no surrounds and a minimal plaster sill. Windows are generally regularly spaced on the long façades (the east and west façades), with only an occasional narrow separation between groups of five. The shorter, south façade is symmetrical in fenestration, with an entry at the ground level, recessed into three-sided projecting frames. Two windows are centered above the entry. At the north façade, there is a secondary entrance at the ground level. Two of the typical vertically oriented windows are located at the second and third floors. Toward the east of the façade, there is a group of two two-light windows at each floor.

At the east façade is a three-story tower housing an elevator and staircases. The addition is heavily reinforced with steel cross braces that are visible at the north façade of the tower, which is open. Landings on each floor are also open on the east façade. The tower has a flat roof and is clad in stucco. It is clearly differentiated from the original building by its placement several feet from the façade, by its exposed structure, and by the color of the exterior stucco.

The interior plan is composed of a double-loaded corridor at each floor. Classrooms and offices of various sizes open off the central corridor. Toilet rooms are located at the north end of the building.

Alterations: The building underwent a major modernization and seismic retrofit in 1958, per historic drawings. Alterations included recladding the original brick exterior in stucco, window and door replacement, changes to the roof, and interior remodeling. An elevator and staircase tower are connected to the east façade. A few windows have been filled in to accommodate air conditioning units. Several conduits travel around the building between the first and second floors. A two-level skybridge connects the west façade to the 1975 Library.

[9] Plaster and stucco have a similar appearance and are often difficult to identify. Because the architectural drawings of earlier Garfield HS buildings specify plaster, that designation is used in these descriptions unless it is obvious that the surface is the usually more-textured stucco.

Parent Center (Reiterman House)

Original architectural drawings label the building the Club House, and it is currently called the Reiterman House. A single-story wood-frame residential-type building, a note on the original 1940 architectural plan reads: "new club house, only included on approval of State Division of Architecture. This building will not be used for school purposes" (see Appendix C, 8679.07, January 1940, Club House Plot Plan, A. S. Nibecker, Business Manager and Architect).

The Parent Center is located west of Woods Avenue along the east side of campus. Although LAUSD records and architectural drawings are dated 1940, the Garfield HS website claims construction began in 1942, and the building was dedicated the following year. Originally called the Club House or the Social Arts Bungalow, the building was renamed in June of 1943 for the school's retiring Girls' Vice Principal, Alice Reiterman. Originally, the building was available to any school organization for social purposes. It was also used by the home economics department for teaching (Garfield HS 2022) (Figures 40 and 41).

The 1,922-squre-foot building has a generally rectangular plan and sits on an exposed concrete foundation. It has a complex roofline, which is generally side-gabled. Smaller side-gable sections are within the larger gables and cap extensions of the building beyond the main exterior wall. Horizontal wood molding runs below the board-and-batten gable. The roof has very narrow overhangs. The gables are filled in with wood board-and-batten siding. A wing at the south façade has a hipped roof. The windows throughout are multi-light wood sash with wood surrounds, including articulated crowns (Figures 42–54).

At the primary (south) façade is a recessed porch sheltered by an extension of the roof at the southeast side. The roof is supported by square wood columns with simple capitals. The porch is approached via a set of concrete steps with metal pipe railing. A decorative wood railing runs along the south and east side of the porch. The primary entrance is approached from the porch. It is a wood paneled door with heavy articulated wood surrounds and a transom, which appears to have been filled in. Across the top of the entrance is an articulated wood crown that extends beyond the side elements of the entrance. A three-by-two over three-by-two wood sash is to the east of the entrance. Decorative iron grilles including the initials GHS are attached to all of the windows at the south façade. The windows on the other façades have attached metal security screens.

At the west façade is a secondary entrance, located toward the north end of the façade. It is a single wood paneled door with lights. A small, cantilevered canopy shelters the door. A short flight of concrete steps with metal pipe railings provides access. A brick chimney rises from the peak of the smaller gable at the west façade. The chimney is flanked by three-by-two over three-by-two wood sash. A two-by-two over two-by-two wood sash window is located on the west façade of the south wing.

The north façade has three sets of two windows. Two larger ones are located toward the east end of the façade; the others are two-by-two over two-by-two wood sash. At the east façade are three three-by-two over three-by-two wood sash. Two are evenly spaced within the extension capped by the small gable, and the third is toward the north end of the façade.

The primary entrance of the Parent Center opens directly into a central lounge with a red-brick fireplace at the west end. The rectangular room is lined with wood paneled doors with simple wood surrounds along the north and south walls. A dining alcove opens to the northeast side of the main room. A fully equipped kitchen with an adjacent pantry is located at the northwest corner of the building. Other spaces include restrooms and storage. The ceilings are acoustical tile with attached rectangular fluorescent lighting. Walls are wallboard, and the floor is engineered wood.

Alterations: 1940 drawings show a double panel door entrance at the east façade. This is shown in photos from the 1960s, but the feature no longer exists (see Figure 41). Whereas the building currently is surrounded by paved areas, photos from the 1960s show lawns and a rose garden.

ROTC Building

The ROTC Building was designed in 1947 by A. S. Nibecker, Jr. (see Appendix C). It is located in the far northwest corner of campus near Fraser Avenue. The building appears to be original to the campus but was likely moved from another section of the campus near the current location of the Quad.

The ROTC Building is a one-story building with a partial basement. It is rectangular in plan and sits on a concrete foundation, with the north side of the building at the high side of a slope and the basement level to the east below the level of the playing field. The building has a moderately sloped gabled roof covered in composition shingles with a narrow overhang. Exterior walls are clad in plaster. There is one entrance at the west façade and three entrances at the north façade at the upper level and an entrance at the south façade on the lower level. At the upper level, each entrance is sheltered by a small wood canopy with wood brackets. Each door has an operable multi-light transom covered with a metal security bars. There is a concrete pad at the west entrance, and individual sets of concrete steps outside each of the entrances at the north façade. The entrance at the lower level is accessed via a set of concrete steps from the level of the playing field (Figures 55–64).

No windows are visible at the north façade, although a small window to a toilet is shown in the original plans at the east end of the north façade. There are no windows at the east façade. The east façade has a two-by-two over two-by-two wood sash centered below an attic vent. The south façade has one one-by-one wood window and a group of six two-by-two over two-by-two wood sash toward the east end of the façade. All of the windows have metal security screens attached.

The lower level of the interior of the building was accessible at the time of survey. A system of pipes appears to be supporting the roof along the ridgeline. The ceiling is open with visible concrete beams, and continuous rows of fluorescent lights run the length of the room. The room has a concrete floor (Figure 62). The architectural floor plan shows the three entrances on the south opening to a Rifle Room at the west end of the building, a classroom at the center, and an office complex at the east end. Between the two major rooms is a storage room. The plans note that the Rifle Room had a cement floor and the classroom had a mastic floor.

Alterations: The building was likely moved ca. 1966, as the plot plan from 1947 shows it approximately where the Quad is now located and the elevations and floor plans do not include a basement level (see Appendix C, ROTC Building, Plot Plan, A. S. Nibecker, Jr., Business Manager and Architect, January 1947). A 1942 campus map shows a “Lath House” and a “Glass House” where the ROTC Building, the Boys’ Locker and Shower (Field House), and Storage are now clustered. In addition to the moving of the building, a small window appears to have been filled in at the west end of the south façade.

Boys’ Locker and Shower Building

The Boys’ Locker and Shower Building (also known as the Field House) was designed by Donald S. Gill and constructed in 1960 (see Appendix C). The architectural plans, which exhibit characteristics of Mid-Century Modernism, show the same design was used at Verdugo High School. The Boys’ Locker and Shower Building is located in the cluster of buildings in the far northwest corner of campus, up a slope from the level of the playing field. It is a single-story building with a nearly flat gabled roof, sloping slightly to the east and west. The building has wide overhanging eaves with a prominent wood fascia on all façades. There is a clerestory pop-up with windows along the east and west façades. The roof of this section is nearly flat. The rows of windows in the clerestory section are recessed from the edge of the

roof, with a slightly canted eave. The exterior is clad in plaster, and the building sits on a concrete slab foundation (Figures 65–75).

At the south façade, there is a flat double door toward the east end, framed by a partition on each side. A group of wood sash windows are to the east of entrance. Otherwise, the wall and the wall of the clerestory above are unfenestrated. The north façade has only a group of two small windows toward the east end. The east façade has horizontally oriented two-light metal windows in groups of two, three, and four. Toward the south end of the façade is a group of three two-part wood sash windows similar to those on the south façade. At the west façade is a set of flat double doors. A group of seven two-part metal windows is visible in the clerestory above.

The majority of the interior is occupied by a boy's locker room at the center, receiving natural light from the clerestory windows along two façades. The hopper-style metal windows are in groups of seven, tied to a single operating system of cranks and levers. All of the windows have safety glass, and the exteriors are covered in security screens. The ceiling is acoustical tile with attached fluorescent lighting. Various smaller rooms, including showers, toilets, and storage, are organized around the perimeter of the building. In the southeast corner of the building is an office with windows on the east and south walls.

Alterations: The Boys' Locker and Shower Building does not appear to have been altered since the year of construction.

Storage Building

The Storage Building is an unremarkable utilitarian building located in the corner of campus with the Boys' Locker and Shower Building and the ROTC. The building was constructed in 1960. It is a square or nearly square building with a shed roof. The roof has no overhang. It is clad in stucco or plaster, with the exception of the south façade, which has horizontal wood board cladding. At the north façade is a two-bay swing-up vehicle door (Figures 76-79).

Alterations: Per 1959 drawings, the building was constructed just west of the bleachers and designed by architect Kenneth Bergstrom. The building was relocated to its current location after 1968.

Cafeteria/Lunch Pavilion

The Cafeteria was constructed in 1963. It was designed in 1962 and shares the character-defining features of the Parking Garage/Classroom D (100 Building or Building 2), another Classroom Building (600 Building or Building 12), the Shop (500 Building or Building 13), the Classroom/Utility Building (700 Building or Building 1), the Field Sanitary Building (Building 22), and the Boys' and Girls' Gymnasium. All were designed by Granger Chalmers & Associates or Stewart S. Granger and constructed in 1963 through 1968. They are Mid-Century Modern in style, evident in the extensive use of Roman stack-bond brick for freestanding wing/pylon walls, decorative screens, and the fences along the west end of campus on Sixth Street and Fraser Avenue (Figures 80–92).

The Lunch Pavilion, designed by Norman E. Kocher, was added to the north of the Cafeteria in 1969. At that time, an arcade was extended from the new pavilion across the west façade of the original cafeteria (Arcade #1). The complex is located adjacent to the Quad, also designed by Kocher in the same year.

The Cafeteria is a flat-roofed building with an irregular plan. It is a low single-story building, with its ground level sloping slightly toward the south to follow the topography. It displays characteristics of Mid-Century Modernism in its horizontality, simplicity of massing, and materials. The roof is extended with an overhanding deep stucco-clad fascia. Aluminum ribbon windows at the tops of the walls create a sense that the roof is floating over the building. At the west façade, the Cafeteria walls are constructed of

concrete block, interspersed with sections of ceramic tile set between square concrete piers. Most of the rest of the building's exterior walls are Roman stack-bond brick.

The open Pavilion occupies the north part of the building. It was added in 1969, contemporaneous with the Quad, with Kocher the architect for both. The floor is flush with the concrete patio of the exterior. It is distinguished by a grid of supporting heavy, round concrete columns that extends across the Pavilion. Inside the Pavilion is a system of steel beams that support an upward extension of the roof. Within the higher section of the roof are multi-light skylights. Aligned with the columns on the exterior are regularly spaced square concrete beams that extend beyond the fascia. The Pavilion portion of the building is capped with a canted, flat-roofed pop-up at the center, which is covered with a sheet metal accordion-fold sheathing. The Pavilion extends across the entire open north façade.

At the east façade, the Pavilion is closed in with a brick wall. A portion of the Pavilion is open at this façade to allow an entrance directly into the Pavilion. A brick enclosure housing a dining patio extends from the south end of the entrance. To the south of the enclosure, the main section of the building extends farther to the east. A newer concrete enclosure containing infrastructure extends farther to the east. Toward the south end of the façade are two sets of double doors with metal vents. Metal louvers extend across the top of the wall beneath the roof overhang. A platform is accessed via a short set of concrete steps.

At the south façade, the walls continue the brick patterns. At the center is an opening to the Pavilion, accessed by a wide flight of concrete steps that fills the space between brick planters at the west and east of the façade. South of the opening is a deeply recessed area for serving.

At the interior are food preparation and serving areas for students and faculty, in addition to offices and storage rooms. All of these spaces are located within the original Cafeteria section of the building.

Alterations: The concrete utilities enclosure was added at the east façade.

Parking Garage/Classroom D

The three-story Parking Garage/Classroom D (100 Building) was constructed in 1963 from designs by Granger Chalmers and Associates dated 1962 (see Appendix C). The building is located at the far southwest corner of campus at the corner of East Sixth Street and Fraser Avenue. It is connected by a multi-level sky bridge to the Library to the east. The three-story building has a flat roof and a T-shaped plan, consisting of a long rectangular section with smaller staircases connected to separate wing walls extending wings to the west and east at the north end of the building. The exterior walls are clad in stucco, and the wing walls are constructed of Roman stack-bond brick. The ground level is recessed from the main walls of the building and is open to parking at the west façade. A high wall of the same brick pattern as the wing walls encloses the building on the street-facing façades (Figures 93–106).

The south façade has a vehicle entrance door centered on the façade at the ground level. The entrance is flanked by flat double doors with a filled-in transom on each side. The two levels above are stucco with regularly spaced incised vertical lines. At the center of the two upper levels are two rectangular piers with metal louvers partially covering the windows on each floor.

The west façade consists of a series of regularly spaced projecting piers that span the distance from the top of the roof or parapet to the bottom of the second floor, where the building wall is recessed on the ground floor. Metal louvers covering windows span the distance between sets of piers. The ground floor parking is open at this façade, and the brick wall running parallel to the street is regularly interspersed with decorative metal screens.

The same pattern of piers continues across the north façade. On this façade, the louvers are omitted and the windows fill the space between pairs of piers. Windows are metal sash with two horizontally oriented lights per sash. The ground floor is recessed, as at the other façades, and the wall has groups of five two-part windows, single doors, and vents. Open staircases connect to the brick wing walls at the east and west.

The east façade is similar to the west façade, with regularly spaced piers filled with louvers over windows between each pair. An enclosed sky bridge connects the second floor to the Library on the east.

At the interior, the ground floor mainly serves as a garage. Enclosed classroom spaces are located at the south end. The second and third floors are similar, with double-loaded corridors forming a T shape. Classrooms of various sizes are located off both sides of the corridor, and generally larger classrooms are located in the wings to the north. Corridors have acoustical tile ceilings with rows of attached fluorescent lighting running down the center. Floors are asphalt tile. The second floor is unique in that several mosaics and murals are located along the corridor. Classrooms have acoustical tile ceilings with recessed fluorescent lighting and asphalt tile floors.

Alterations: Alterations include modifications of the sky bridge connecting to the Library. The metal louvers covering the windows might have been altered since year of construction, as photos from 1968 depict them as continuing to the top of the parapet.

Classroom Building

The two-story Classroom Building at East Sixth Street and Woods Avenue known as the 600 Building was designed by Stewart S. Granger and constructed in 1965. It is located in the far southeastern corner of campus with narrow setbacks from the sidewalk planted with low hedges and trees at the south corners. It has a flat roof and minimal ornamentation. It has a generally rectangular plan, with square setbacks on the southwest and southeast corners and wider, rectangular setbacks at the northwest and northeast corners.

The east façade facing Woods Avenue is constructed of Roman stack-bond brick toward the south end. The entrance consists of a set of metal double doors, each with a small light, set into a slightly recessed section of the façade. A plaster panel is above the entrance. On the second floor, a group of three aluminum windows spans the recessed section. North of the entrance is a narrow pier constructed of brick, continuing the material to the south. North of the pier, the wall is set back, and the wall is vertically scored stucco (Figures 107–119).

The south façade is clad in plaster and has three sets of narrow plaster-clad piers running from ground level to the flashing below the parapet. Between these sets are aluminum windows set in a regular pattern, each set covered with metal louvers that run between the piers. At each end of the façade are narrow wing walls that continue to the top of the parapet.

The west façade faces a landscaped area and a paved pedestrian walkway. The façade is arranged similarly to the east façade, with a double-door entrance slightly recessed into a wall of Roman stack-bond brick to the south. At this façade, instead of the unadorned plaster wall, a two-story open corridor connects to the Shop Building to the north.

Piers similar to those at the south façade are repeated at the north façade. Windows at the first and second floors consist of groups of six aluminum sash with no surrounds running between piers and a smaller group of two or three toward the middle of the façade. The exterior wall is clad in plaster, with connected conduits.

The interior consists of a double-loaded corridor running the full east-west length of the building at each floor. A two-run interior staircase is located at each end. The ceiling is acoustical tile with attached rectangular fluorescent lighting fixtures. Lockers are set into both sides of the corridors. Recessed classroom entrance doors are wood with small lights. The floors are asphalt tile. Classrooms and labs have acoustical tile ceilings with continuous rows of attached fluorescent lighting. The floors are asphalt tile.

Alterations: The open corridor connecting to the Shop Building has been enclosed with metal bars at both levels. Metal security screens cover the windows at the ground floor at the north façade.

Shop Building

The one- and two-story Shop Building (the 500 Building; called the New Shop Building in original architectural drawings) was designed by Stewart S. Granger and constructed in 1967. It is located on the Woods Avenue side of campus, with vehicle access to the street. The Shop Building has a flat roof and minimal ornamentation. It has an elongated L-shaped plan, with the shorter wing extending to the east. The inside of the L shape forms a paved vehicle yard along Woods Avenue. A freestanding two-story elevator and stairway addition extends from the west façade (Figures 120–131).

The west façade faces a paved pedestrian area. The walls are constructed of Roman stack-bond brick. They are essentially wing walls connected to the main body of the building by an open corridor. There are three entrances to the open corridor, consisting of a two-story opening flanked by two narrower two-story openings. At the second floor, a metal railing spans the opening. Arcade #2 connects the south façade of the Shop Building to the earlier Classroom Building to the south.

The north façade of the main body of the building is clad in plaster. The open corridors end at this façade on the north. The single-story east wing at the south end of the building has an unfenestrated Roman stack-bond brick wing wall at the east façade. The north and south façades are deeply recessed, with the roof forming a sheltered corridor on each side. Spanning the length of the main body of the east façade is an arcade supported by heavy concrete beams (Arcade #3).

The east façade of the main part of the building has three vehicle doors that open to a paved work yard. Irregularly placed windows are of similar horizontal orientation placed high on the wall. A Roman stack-bond brick fence encloses the yard. At the second floor, groups of horizontally oriented windows are placed high on a recessed wall below a wide overhanging plaster fascia. The exterior walls on this façade are plaster.

The interior of the building was designed for auto shops, a metal shop, a woodworking shop, and instruction areas. The auto shop continues to function as such, but some of the other spaces have been converted to classrooms. Heavy support beams and ducting extend from the ceilings, as well as continuous attached fluorescent lighting fixtures. Most of the floors are concrete, with the exception of some classroom areas, which are covered in vinyl tile.

Alterations: When constructed, the Shop Building was connected to the now-demolished main building via an arcade and tunnel, and to two small music buildings to the west. A large two-story structure containing an exterior stairwell and elevator have been added to the west facade.

Boys' and Girls' Gymnasium

The Boys' and Girls' Gymnasium was constructed in 1967 from plans by Stewart S. Granger. It is a sprawling horizontally oriented building with one- and two-story sections. The building has an irregular

plan and sits on a poured concrete foundation. Exterior walls are constructed of Roman stack-bond brick or plaster. A configuration of recessed building surfaces recessed between wing walls is common in the various sections of the building.

The west façade faces the playing field. Numerous irregularly placed entrances and windows are located along this single-story section of the building. The exterior walls are constructed of brick. This single-story section houses toilets, offices, storage rooms, and locker rooms. The double-height small gymnasium toward the north and the main gymnasium toward the south of the building are set back toward the east side. The west façades of these double-story sections are clad in plaster (Figures 132-145).

At the north elevation, a single-story brick section has two brick wing walls, connected by a deep plaster fascia. Recessed beneath this fascia is the brick wall of the building, with a recessed entrance toward the west end of the wall and three sets of three horizontally oriented windows set high on the wall. The double-height smaller gymnasium is visible above the single-story section. It consists of two plaster-clad wing walls connected by a deep fascia with regularly spaced protruding concrete beams. Below each concrete beam is a full-height concrete pier. Brick fills the spaces between the piers.

The east façade houses the primary public entrance to the gymnasium. The two-story section of the façade toward the south extends to the sidewalk and consists of a deep flat plaster fascia along the parapet. Recessed below the fascia is a heavy horizontal concrete band of regularly spaced vertical concrete piers. Above each vertical pier, a concrete beam extends from the surface of the fascia. The space between the vertical piers is filled with brick. Toward the north end of the east façade, the main wall of the building is set back from the sidewalk. A wide set of concrete steps provides access to three sets of recessed double flat metal doors, each with a transom. A wide fascia extends across the top of the entrance, and an unfenestrated two-story plaster wall is at the south side. Farther to the north, a section with brick wing walls sits behind a landscaped area within a retaining wall. The main wall of this section is made of brick, and a continuous row of horizontally oriented sets of windows is set high on the wall below the fascia. The unfenestrated plaster-covered high wall of the smaller of the two gymnasiums (labeled Girls' Exercise Room) is visible above the single-story entrance. At the south end of the building, the east façade of a single-story brick section is barely visible because of the setback from the sidewalk.

The south façade consists of two single-story wings of various heights. The walls are brick, and a deep cantilevered screen caps the tops of the brick wing walls. At the east end, the unfenestrated plaster wall of the main gymnasium is visible.

The corrugated metal ceiling of the main gymnasium is supported by slightly gabled, exposed steel beams. Fluorescent lighting fixtures and ducting are attached. Retractable bleacher seating fills the east and west walls. The floor is polished hard wood. The lobby at the east side of the building has acoustical tile ceiling with attached fluorescent lighting and a concrete floor scored in a grid pattern. Two sets of wood double doors lead to the gymnasium. In the locker rooms, the exposed ceiling consists of metal trusses with rows of attached fluorescent lighting. Rows of partial height lockers fill the open areas. The floors are poured concrete.

Alterations: The building appears to be minimally altered, with the exception of the cantilevered screen at the south façade, which is attached to the tops of the brick walls with boards.

Field Sanitary Building

The Field Sanitary Building is a freestanding restroom building located south of the playing field and east of the south bleachers. It was constructed in 1967/1968. The building was constructed of the signature Roman stack-bond brick and during the same period of time as those designed by Stewart S. Granger. The

building is Mid-Century Modern in style, with characteristics including a flat roof with a deep fascia and a wide overhang. The roof extends farther out on the entrance facades on the east and west facades, where the roof is supported by a wing wall placed near the edge of the roof. This wing wall creates a screen and forms a short corridor leading to the entrances. These corridors are considered arcades (Arcade #4) in LAUSD facilities records. The restroom entrances consist of single swinging doors. The building has no windows. At the north façade are two double flat metal utility doors (Figures 157–162).

Alterations: The Field Sanitary Building appears to be unaltered, with the possible exception of conduits connected to the exterior walls.

Classroom/Utility Building

Classroom/Utility Building (the 700 Building) is similar in exterior design to Parking Garage/Classroom Building D directly to the south, which was designed by Granger Chalmers & Associates in 1962. The building was constructed after Parking Garage/Classroom Building D, from 1967 drawings. Historic aerial views show a slightly larger shop building occupied the site at least from 1948 until 1964 (historicaerials.com 1948, 1952, 1953, 1964, 1972). The 1968 date might refer to the year the single-story wing was added to the north façade. The wing is labeled "plastic shop" in a campus map dated 1968 (Garfield HS 2022). This date corresponds to the announcement of a $100,000 plastics training and manufacturing program at Garfield HS (*East LA Gazette* 1970). A timeline on the Garfield HS website under 1967-1968 reads "700 Building on Fraser Street is opened. 21 rooms with the only plastics shop in the district" (Garfield HS 2022). The building and the north wing are visible in videos and news photos from the March 1968 Blowouts. Therefore, ASM believes it was constructed between 1964 and 1968 (Figures 146–156).

The three-story building has a flat roof and a T-shaped plan, consisting of a long rectangular section with smaller staircases connected to separate wing walls extending to the west and east at the south end of the building. The exterior walls are clad in stucco, and the wing walls are constructed of Roman stack-bond brick. The south façade consists of a series of regularly spaced projecting piers that span the distance from just below the parapet to the ground level. Metal louvers covering windows span the distance between the sets of piers, from a few feet below the parapet to a few feet above the ground level. The same pattern of piers and louvers continues across the east and west façades. Open staircases connect the main part of the building to the brick wing walls at the south ends of the east and west façades. The wall of the main section of the building is plaster at the north façade, where a single-story wing is attached to the north and east. The wing has a deep plaster façade that overhangs the main wall of the wing.

At the interior, double-loaded corridors form a T shape corresponding to the shape of the building. Classrooms of various sizes are located off both sides of the corridor. Corridors have acoustical tile ceilings with attached fluorescent lighting positioned at right angles to the walls. Floors are asphalt tile. Classrooms have acoustical tile ceilings with rows of attached fluorescent lighting and asphalt tile floors.

Alterations: Alterations since year of construction are minimal.

Library/Classroom Building

The three-story Library/Classroom Building (200 Building; Building 3) was constructed in 1975. It was designed by EJ Samaniego (E. J. Samaniego & Associates) in 1974 and replaced one of the original brick Romanesque-style campus buildings.

The new 28,000-square-foot building was designed to combine classrooms, laboratories, a faculty lounge, library, and audio-visual center in three floors; ground-floor parking and maintenance/storage; and facilities. The exterior was described as featuring "Spanish colonial design with Mayan and Aztec

appointments," referring to the Aztec-influenced mosaic frieze that encircles the building below the flat parapet and the large medallion with Mexican and Central American motifs at the top of the exterior wall on the south façade (*Los Angeles Times* 1974). Other reports described it as "designed in modern Mexican style to blend in with the community" (*Los Angeles Times* 1976).

The building replaced the pre-1933 Long Beach Earthquake Social Science Building, which was demolished in 1971 as part of the district's belated effort to comply with the Field Act safety standards (*Los Angeles Times* 1973). The $1,280,000 cost was provided by the State-funded Earthquake Replacement Program. The building was dedicated on May 12, 1976 (*Los Angeles Times* 1976).

The three-story building is generally rectangular in plan, with a shallow three-story wing at the west end of the south façade, and a shallower extension at the east end of the façade. Another shallow extension projects from the east façade, where a corridor at the third floor connects to the Science Building to the east. The building is defined by the mosaic frieze that continues around the flat parapet on all façades, the large medallion centered on the north wing, and masonry construction with curved corners.

At the south façade, three groups of three narrow three-story arches are open to the corridors within, which run the length of the façade. The exterior corridors have concrete floors and stucco ceilings with recessed can lights. The wall sections between arches terminate at the top of the ground floor, where a deep band of wood siding forms the floor of the second-floor corridor. A wider arch is centered on the shallow wing at the east end of the south façade. Simple metal railings along the corridors span the distance between arches.

The arch motif is repeated on the secondary façades, opening to corridors at the west façade. At the east and north façades, windows are slightly recessed within the arches. At the third floor, the windows follow the form of the arch. Wood siding fills the space below the windows at the second and third floors. The ground floor is open to parking. Windows are partially operable steel hopper-type, which follow the same curve as the narrow arches on the third floor. Open staircases have simple metal railings (Figures 163–179).

The ground floor is occupied by parking. The library, laboratories, and classrooms are on the second and third floors. Double-loaded interior corridors open to rooms on both sides. The ceilings of the corridors are acoustical tile with attached rectangular fluorescent lighting. The floor is vinyl tile. Banks of lockers extend from the main wall of the corridors on both sides. Doors are flat wood with simple wood or metal casings. The building is notable for its murals in various locations on the upper floors.

Alterations: The Library/Classroom Building appears to be minimally altered.

Stadium (Dr. Damon Lamarr Field) and Bleachers

Metal bleacher seats are located along the south and north sides of the playing field. In 1977, the grass was reseeded and new lights, a scoreboard, and press box were added. No documents indicate that the bleachers were also replaced (*Eastside Journal* 1977). Historicaerials.com show close similarities between the footprint of the south bleachers and the pattern of the grass on the field between 1953 and 1980, suggesting the existing bleachers were in place at least by 1953 (Figures 180–183).

Student Quad

The Student Quad (De Aro Mall) is a circular landscaped area between the Cafeteria and Lunch Pavilion to the east and Classroom/Utility Building to the west. It was constructed in 1969 from designs by W. C. Davies to replace a group of portable buildings that were present during the Blowouts (historicaerials.com 1962, 1972). The plan consists of a wide paved circle inset with a raised landscaped area of grass and trees. Wide curved concrete steps are inset into the west side of the raised area. Around the perimeter within the paved area are regularly spaced round brick planters (Figures 184–189).

SIGNIFICANCE EVALUATION

Evaluation Framework

National Register of Historic Places

Authorized by the NHPA of 1966, the National Park Service's NRHP is part of a national program to coordinate and support public and private efforts to identify, evaluate, and protect America's historic and archeological resources. The NRHP is the official list of the nation's historic places worthy of preservation. The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity and:

A. are associated with events that have made a significant contribution to the broad patterns of our history; or
B. are associated with the lives of persons significant in our past; or
C. embody distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or have yielded, or
D. may be likely to yield, information important in prehistory or history.

Integrity

In order to be eligible for listing in the NRHP and CRHR, a property must retain sufficient integrity to convey its significance. The NRHP publication *How to Apply the National Register Criteria for Evaluation*, National Register Bulletin 15, establishes how to evaluate the integrity of a property: "Integrity is the ability of a property to convey its significance" (National Park Service, National Register of Historic Places 1991). The evaluation of integrity must be grounded in an understanding of a property's physical features and how they relate to the concept of integrity. Determining which of these aspects are most important to a property requires knowing why, where, and when a property is significant. To retain historic integrity, a property must possess several, and usually most, aspects of integrity:

1. *Location* is the place where the historic property was constructed or the place where the historic event occurred.
2. *Design* is the combination of elements that create the form, plan, space, structure, and style of a property.
3. *Setting* is the physical environment of a historic property, and refers to the character of the site and the relationship to surrounding features and open space. Setting often refers to the basic physical conditions under which a property was built and the functions it was intended to serve. These features can be either natural or manmade, including vegetation, paths, fences, and relationships between other features or open space.
4. *Materials* are the physical elements that were combined or deposited during a particular period or time, and in a particular pattern or configuration to form a historic property.
5. *Workmanship* is the physical evidence of crafts of a particular culture or people during any given period of history or prehistory, and can be applied to the property as a whole, or to individual components.
6. *Feeling* is a property's expression of the aesthetic or historic sense of a particular period of time. It results from the presence of physical features that, when taken together, convey the property's historic character.

7. *Association* is the direct link between an important historic event or person and a historic property.

California Register of Historical Resources

The CRHR program encourages public recognition and protection of resources of architectural, historical, archaeological, and cultural significance; identifies historical resources for state and local planning purposes; determines eligibility for state historic preservation grant funding; and affords certain protections under CEQA. The criteria established for eligibility for the CRHR are directly comparable to the national criteria established for the NRHP.

In order to be eligible for listing in the CRHR, a building, object, or structure must satisfy at least one of the following four criteria:

1. It is associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.
2. It is associated with the lives of persons important to local, California, or national history.
3. It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master or possesses high artistic values.
4. It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

Historical resources eligible for listing in the CRHR must also retain enough of their historic character or appearance to be recognizable as historical resources and to convey the reasons for their significance. For the purposes of eligibility for the CRHR, integrity is defined as "the authenticity of an historical resource's physical identity evidenced by the survival of characteristics that existed during the resource's period of significance" (California Office of Historic Preservation 2001). This general definition is generally strengthened by the more specific definition offered by the NRHP—the criteria and guidelines on which the CRHR criteria and guidelines are based upon.

California Environmental Quality Act

CEQA Section 15064.5 *Determining the Significance of Impacts to Archeological and Historical Resources* requires that all private and public activities not specifically exempted be evaluated against the potential for environmental damage, including effects to historical resources. Historical resources are recognized as part of the environment under CEQA. It defines historical resources as "any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California."

Lead agencies have a responsibility to evaluate historical resources against the CRHR criteria prior to making a finding as to a proposed Project's impacts to historical resources. Mitigation of adverse impacts is required if the proposed Project will cause substantial adverse change to a historical resource. Substantial adverse change includes demolition, destruction, relocation, or alteration such that the significance of an historical resource would be impaired. While demolition and destruction are fairly obvious significant impacts, it is more difficult to assess when change, alteration, or relocation crosses the threshold of substantial adverse change. The CEQA Guidelines provide that a Project that demolishes or alters those physical characteristics of an historical resource that convey its historical significance (i.e., its character-defining features) can be considered to materially impair the resource's significance. The CRHR is used in the consideration of historical resources relative to significance for purposes of CEQA. The CRHR includes resources listed in, or formally determined eligible for listing in, the NRHP, as well as some California State Landmarks and Points of Historical Interest. Properties of local significance that

have been designated under a local preservation ordinance (local landmarks or landmark districts), or that have been identified in a local historical resources inventory, may be eligible for listing in the CRHR and are presumed to be significant resources for purposes of CEQA unless a preponderance of evidence indicates otherwise.

Generally, a resource shall be considered by the lead agency to be a "historical resource" if it:

1. Is listed in, or determined to be eligible by the State Historical Resources Commission for listing in, the California Register of Historical Resources (PRC Section 5024.1, Title 14 CCR, Section 4850 et seq.).
2. Is included in a local register of historical resources, or is identified as significant in an historical resource survey meeting the requirements of PRC Section 5024.1(g).
3. Is a building or structure determined to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California.

Los Angeles Unified School District

The *LAUSD Historic Context Statement, 1870 to 1969* (Sapphos 2014) establishes guidelines for evaluating the significance of LAUSD campuses. The context statement outlines historic contexts and themes, with eligibility standards, character-defining features, and integrity considerations for each. Garfield HS was considered under the appropriate contexts and themes, and associated property types, period of significance, areas of significance, and geographic location. The applicable eligibility standards, character-defining features, and integrity considerations for both individual significance and significance as a historic district are provided in the *LAUSD Historic Context Statement* (Sapphos 2014:141–143). The themes that apply to Garfield HS are described in this section.

Area of Significance A/1

Theme: Pre-1933 Long Beach Earthquake School Plants

- Property Type: Institutional/Educational, 1910–1933
    - Property Subtypes: Elementary, Junior High, and High School Buildings and Campuses
- Period of Significance: 1910 to 1933
- Geographic Location: Citywide

Eligibility Standards

- Embodies LAUSD school planning and design ideals and principles of the era
- One of few remaining schools from the pre–1933 Long Beach earthquake era that was not substantially altered or remodeled
- Retains most of the associative and character-defining features from the period of significance

Character-Defining Features

Buildings/Structures

- Articulated buildings plans, facilitating the creation of outdoor spaces (often T-shaped, E-shaped, U-shaped, and H-shaped plans)
- Generally low massing, usually one to two stories (with two to three stories more common for middle and senior high schools)
- Includes designed outdoor spaces, such as courtyards and patios, adjacent to classroom wings
- Exteriors usually lined with rows of grouped windows, including wood-framed multilight windows; expanses of windows often mark the location of classrooms
- Designed in popular period-revival styles of the era (including Spanish Colonial Revival, Renaissance Revival, Mediterranean Revival, and Collegiate Gothic)
- Often designed by prominent architects of the era

Campus/District

- Emphasis on a more spread-out site plan, with designed outdoor spaces
- More varied collection of buildings, differentiated by function and use (rather than a single building with all functions inside)
- Might include an elaborate administration building, usually the focal point of the campus, as well as classroom wings, auditoriums, gymnasiums, and outdoor recreation areas
- Middle or senior high schools might include a gymnasium designed in the style of the campus overall

Integrity Considerations

- Most pre-1933 schools were substantially remodeled following the Long Beach earthquake
- Designed outdoor spaces, such as courtyards and patios, should be intact in use, if not with landscape design and hardscaping; development pressures over the years often resulted in these open spaces being in-filled with new construction; overall sense of relationship of building to designed outdoor spaces should be intact
- Should retain integrity of Materials, Design, Workmanship, Feeling, and Association from its period of significance
- Intact campus groupings from a single period of time are not common
- Some materials and features may have been removed or altered
- Modern lighting and fencing of site acceptable (Sapphos 2014:135–136)

Theme: Post-1933 Long Beach Earthquake School Plants, 1933–1945

- Property Type: Institutional/Educational
    - Property Subtypes: Elementary, Junior High, and High School Buildings and Campuses
- Period of Significance: 1933 to 1945
- Area of Significance: Education
- Geographic Location: Citywide

Eligibility Standards

- Exemplifies post–Long Beach earthquake school planning and design concepts of the period, including requirements under the 1934 Field Act
- One-story massing for elementary schools; up to two stories for junior/high schools
- Retains most of the associative and character-defining features from the period of significance

Character-Defining Features

Buildings/Structures

- One-story massing for elementary schools; up to two stories for middle and senior high schools
- Reinforced concrete, steel-, or wood-frame construction
- Generous expanses of windows, including steel- and wood-framed multi-light windows, awning and hopper casements, clerestories, and large-pane fixed windows; window groupings often mark the location of classrooms
- Stylistically more streamlined and less ornamental than 1920s period-revival styles
- Styles can also include PWA Streamline Moderne, Art Deco, Late Moderne, and proto-modern styles
- May have been partially or fully funded through the Works Progress Administration (WPA), 1935 to 1943
- WPA projects may include significant interior artwork such as murals, paintings, and sculpture
- May have been designed by a prominent architect of the period

Campus/District

- Unified site plan consisting of buildings and structures designed and sited according to their use
- Varied collection of buildings, differentiated by function and use (rather than a single building with all functions inside)
- Campus often composed of groupings of classroom wings, auditoriums, gymnasiums, cafeterias, and outdoor recreation and dining areas
- Middle or senior high schools might include a gymnasium designed in the style of the campus overall

Integrity Considerations

- Should retain most of the essential physical features from the period of significance
- Some materials may have been removed or altered
- Modern lighting and fencing of site acceptable
- Schools from this period generally include buildings constructed after the period of significance, in particular post-World War II buildings, which may be noncontributing

- Eligible properties under this theme may be a single building, if it exemplifies the design ideals of the era, or a grouping (campus) of buildings constructed during the period of significance
- Intact campus groupings from the pre-1945 era are not common
- Should retain integrity of Materials, Design, Workmanship, Feeling, and Association from its period of significance (Sapphos 2014:137)

Theme: Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945–1969

Property Type: Institutional/Educational
    - Property Subtypes: Elementary Schools, Junior High Schools, and High Schools
- Period of Significance: 1945 to 1969
- Area of Significance: Education
- Geographic Location: Citywide; with concentrations in the San Fernando Valley and west Los Angeles

Eligibility Standards

- Clearly embodies the characteristics of a postwar modern functionalist school campus
- Displays a unified, functional site design, with buildings extending across the site and oriented in relation to outdoor spaces (courtyards, patios, outdoor play areas)
- One-story massing for elementary schools; up to two stories for junior/high schools
- Classrooms, in detailing and plans, clearly express their function, with axial, fingerlike wings, plentiful fenestration, and connections to the outdoors
- Retains most of the associative and character-defining features from the period of significance

Character-Defining Features

Buildings/Structures

- Building plans and site design clearly express their function; classroom wings often exhibit one-story "finger-like" wings, arranged on an axis
- Easily identifiable indoor-outdoor spaces, connections to classrooms through the incorporation of patios, courtyards, and outdoor canopied corridors
- One-story massing, particularly for elementary schools; up to two to three stories for junior and high schools
- Building types and plans expressive of postwar ideals in school design; these can include (1) finger-plan schools (usually in 1940s through 1950s); (2) cluster-plan schools (beginning in 1950s); and (3) variations and combinations of these typologies clearly expressive of the ideals for informality, indoor-outdoor connections, and zoned planning for the site
- Varying elevations might display differentiated window sizes and configurations, in order to tailor interior light to sun patterns and create cross-lit classrooms

Campus/District

- Unified campus design includes most or all of the following attributes: lack of formality and monumentality; low massing (usually one stories for classrooms and up to two stories for auditoriums/multipurpose rooms); strong geometric ordering of buildings and outdoor spaces; decentralized, pavilion-like layout; rational, function-driven site design; buildings extend across the site; buildings are oriented to outdoor spaces (courtyards, patios, outdoor areas), purposeful indoor-outdoor integration

- Automobile traffic/drop-off areas separated from campus; linked to interior via extended canopied corridors
- Buildings often turn inward, toward green spaces and courtyards, lawns
- Outdoor corridors, sheltered beneath simple canopies, forming links between the buildings of the campus
- Classrooms often consisting of a series of axial, modular units
- An informal, domestic scale for the buildings and campus might be especially evident in elementary schools
- Swaths of patios, terraces, and plantings adjacent to and alternating with buildings
- Generous expanses of windows, including steel- and wood-framed multilight windows, in awning and hopper casements, clerestories, and fixed panes
- Flat roof or broken-plane roof often used for lighting and acoustical issues
- Modular design, with a rhythmic, asymmetrical but balanced composition
- Usually displays a modern design idiom, usually either regional modernist (with use of native materials such as stone, brick, and wood siding and/or framing), International Style modernist, or, by the early 1960s, Late Modern (more expressive and sculptural)
- Some examples might include some degree of historicist detailing or styles popular in the postwar period (such as American Colonial Revival); these are less common than modernist examples
- May have been designed by a prominent architect of the period
- Often associated with post–World War II suburbanization and growth near major employment centers beyond the city periphery (such as the San Fernando Valley and southwest Los Angeles)
- Often built in residential neighborhoods on large expanses of land, with swaths of land devoted to landscape design and playing fields (in particular for high school campuses)

Integrity Considerations

- Retains most of the essential physical features from the period of significance
- School expansion and new construction over the years, in particular in the postwar period, might have resulted in the addition of in-fill buildings and structures in areas that were originally designed open spaces. Such new additions should not interfere with or serve as a visual impairment to the designed connections between buildings, in particular classroom wings, and adjacent outdoor patios and spaces.
- Many postwar schools were designed to be easily expandable as enrollment increased; the original site design and building types and plans should be readily discernible. If additional wings were added or the campus extended, the additions should be compatible with and visually subordinate to the original.
- Some materials may have been removed or altered
- Modern lighting and fencing of site acceptable
- Should retain integrity of Setting, Materials, Design, Workmanship, Feeling, and Association from its period of significance
- Addition of portable or permanent buildings after the period of significance acceptable as long as original campus design is intact (Sapphos 2014:141–142)

Theme: LAUSD and the Civil Rights Movement, 1954–1980

- Property Type: Institutional/Educational
    - Property Subtypes: Elementary Schools, Junior High Schools, and High Schools
- Period of Significance: 1954–1980
- Area of Significance: Education/Ethnic Heritage

- Geographic Location: Citywide
- Area of Significance: A/1 and/or B/2

Eligibility Standards

- Was constructed during the period of significance
- Was the site of significant integration initiatives, challenges, or activities related to the Civil Rights Movement and school integration
- Directly reflects the movement for equal access to schools and/or to employment opportunities in LAUSD schools
- Has a well-established, long-term association with a figure who was significant in the Civil Rights Movement and school integration (eligibility under B/2)

Character-Defining Features

- Retains most of the associative and character-defining features from the period of significance

Integrity Considerations

- Retains integrity of Location, Design, Setting, Feeling, Association
- Some materials may have been removed or altered
- If there are multiple buildings on campus constructed during the period of significance, these should be evaluated as a potential historic district (Sapphos 2014:141–142).

Theme: The High-Tech, Late Modern School Plant, 1970 and Later

As the periods of significance covered by the *LAUSD Historic Context Statement* end in 1969, the following is offered as an abbreviated proposed context for buildings and campuses constructed in 1970 and later. The end of the postwar boom in school construction, associated with major economic and cultural changes, was reflected in many of the new LAUSD schools. Whereas the postwar schools were strongly associated with suburban development, available land, and general prosperity, new schools responded to a different set of circumstances. The economic downturn was harsh, as aerospace plants and other sources of jobs closed, and postwar expansion slowed. A need to economize on school buildings and a culture in thrall to advances in technology brought a turnabout in architectural styles. Classrooms that had typically been open to the environment faced inward and created their own environment through extensive use of air conditioning and other advances in technology and materials, calling for smaller windows and less exposure to natural light and air. The ease of designing without regard for climate and seasons was attractive, obviating the need to consider placement of façades toward the sun and the use of brise-soleils to temper it. It was during this time that school designs "capitulated to the relative simplicity of relying on mechanical systems to provide requisite lighting and thermal conditions" (Baker 2012:18). The build-out of Mid-Century Modern suburban LAUSD schools that extended over wide swaths of land had taken place, and newer buildings were sometimes infill in existing campuses. Architectural designs, as a result, varied throughout campuses, and site planning became less pervasive.

The eligibility standards and registration requirements proposed below are loosely applied to the evaluation of one major building at Garfield HS, which was constructed in 1975. Further research would be required to fully develop this theme.

- Property Type: Institutional/Educational
    - Property Subtypes: Elementary Schools, Junior High Schools, and High Schools
- Period of Significance: 1970 and later
- Area of Significance: Education

- Geographic Location: Citywide, often as infill in previously established campuses and in developed urban areas
- Area of Significance: A/1

Eligibility Standards

- Clearly embodies the characteristics of a high-tech, late modern school campus
- One-story or multi-story massing
- Often limited outdoor areas
- Retains most of the associative and character-defining features from the period of significance

Character-Defining Features

Buildings/Structures

- Building plans and site design make maximum use of limited available land
- Buildings unrelated to the outdoors
- Building styles stress economy of construction
- Larger buildings house multiple school functions
- One-story or more massing for junior and high schools
- Building types and plans incorporate the use of technology such as air conditioning
- Relatively small and often sheltered windows

Campus/District

- Buildings often built to maximize land use
- Buildings often three or four stories for high schools
- Fewer buildings with more functions within each
- Relatively small windows
- Often built as infill in previously developed, urban settings

Area of Significance: C/3

According to the LAUSD Historic Context Statement**,** buildings exhibiting distinctive design features might also qualify under Criteria C/3, as the embodiment of the distinctive characteristics of a type/period or method of construction, as an example of the work of a master architect, or for high artistic values.

Theme: Architecture

Among the architectural styles potentially represented at Garfield HS are the following, shown here with the associated character-defining features listed in the *LAUSD Historic Context Statement*, where available. There are no buildings designed in Period Revival architectural style, and no character-defining features are outlined in the *LAUSD Historic Context Statement* for utilitarian-style buildings.

Minimal Traditional

- One-story configuration
- Moderately or low-pitched gabled, cross-gabled, or hipped roof
- Smooth stucco or wood cladding
- Wood multi-light windows, including picture, double-hung sash, casement, or sliding
- Lack of decorative exterior detailing
- Shallow entry porch with wood supports
- Detached garage, usually located at the rear of the property

Mid-Century Modern

- Horizontal design composition and massing; generally one or two stories
- Simple, geometric volumes
- Flat or shed roof, often with wide, cantilevered overhangs
- Exterior materials include stucco, brick, or concrete
- Modular design and planning
- Aesthetic qualities derive from use of simply treated materials and excellent craftsmanship
- Direct expression of structural systems, often in wood or steel post-and-beam
- Lack of historicizing ornament
- Generous expanses of fenestration, including bands of grouped multi-light windows

Late Modern

Late Modernism represents the conditions and new developments of Western society between 1965 and 1990 and was a distinct and historically significant twentieth-century reaction against orthodox Modernism. By the early 1970s, Modern-era transparency was replaced by hermetically sealed and opaque reflecting glass buildings and the more affordable concrete, exterior box resulted in chamfered, "high tech" expressions" (Paul 2020:6).

- Oversized angular shapes that broke apart the typical rectangle form (Paul 2020:28)
- Smooth, continuous surfaces over the primary massing of the building; usually rendered in a single monochromatic palette or material (Paul 2020).

Evaluation of Eligibility

ASM considered the campus and the 13 buildings more than 45 years of age located there for significance under the broad themes of Education and Architecture and the eligibility criteria described in the preceding section.

Historic District Eligibility

The buildings of the Garfield HS campus that are 45 years old or older were constructed over several decades, with a concentration of nine from the 1960s. One building is from the 1920s, two are from the 1940s, and one is from the 1970s. Thus, the campus was considered as a potential historic district under the themes associated with various periods of significance, as described in the preceding section:

1. Pre-1933 Long Beach Earthquake School Plants, 1910 to 1933 (Criteria A/1)
2. Post-1933 Long Beach Earthquake School Plants, 1933 to 1945 (Criteria A/1)
3. Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945 to 1969 (Criteria A/1)
4. LAUSD and the Civil Rights Movement, 1954–1980 (Criteria A/1 and B/2)
5. The High-Tech, Late Modern School Plant, 1970 and later (Criteria A/1)
6. Architecture (Criteria C/3)

As themes 1, 2, and 5 are potentially associated with only one building each, a potential historic district under these themes is not recommended under any criteria. The campus was considered as a historic district under the theme of Educating the Baby Boom, which has a period of significance associated with 10 buildings on campus. Garfield HS does not embody the characteristics of a postwar modern functionalist school campus, nor does it display a unified site design. It does not display a strong geometric ordering of buildings and outdoor spaces or purposeful indoor-outdoor integration. There is no well-defined automobile drop-off area separated from campus, and the classroom buildings do not consist of modular units. In general, the buildings do not have generous expanses of windows and do not display a modern design idiom. Finally, the campus is not associated with post-World War II suburbanization and

is not located in a neighborhood with large expanses of land. Therefore, the Garfield HS campus is not recommended as a historic district under Criteria A/1, as defined in the *LAUSD Historic Context Statement* for the theme of Educating the Baby Boom: The Postwar Modern, Functionalist School Plant.

As only one building remains from the period of significance of the theme of Pre-1933 Long Beach Earthquake School Plants, no historic district is recommended under this theme for any criteria. Similarly, only one building remains from the period of significance of the theme of Post-1933 Long Beach Earthquake School Plants, and there is only one building on campus constructed in the 1970s under the theme of a High-Tech, Late Modern School Plant; therefore, no historic district is recommended under any of these themes for any criteria.

The campus was also considered under the theme of LAUSD and the Civil Rights Movement, with a period of significance of 1954–1980. Twelve of the 13 buildings 45 years or older currently on campus, as well as the playing field and south bleachers, were extant during the March 1968 student protests. The protests fall within the period of significance defined for this theme under Criteria A/1. In consideration of eligibility standards for the theme, Garfield HS was the site of significant activities related to the Civil Rights Movement. The Blowouts directly reflected the movement for equal access to LAUSD schools and spurred the Chicano civil rights movement nationwide. The earlier administration/auditorium building was shown in photos and videos from Blowouts gatherings in the south bleachers, with surveillance being conducted from the rooftop (see Figure 15). Although that building has been demolished, the campus is clearly recognizable in images of Blowouts, including the Classroom/Utility Building and plastics shop on Fraser Avenue. As such, ASM recommends the Garfield HS campus meets Criteria A/1 for the theme of LAUSD and the Civil Rights Movement, with a period of significance of 1968.

In 2018, the National Trust for Historic Preservation included the five Walkout schools, including Garfield HS, on its list of America's 11 Most Endangered Historic Places for 2018. The listing reads: "The Walkout Schools are five historic campuses that played a key role in the 1968 East L.A. Chicano Student Walkouts, which helped catalyze the national Chicano Civil Rights Movement. These tangible representations of the power of student activism are now threatened, as some of the buildings face calls for demolition by the school district" (National Trust for Historic Preservation 2018). Additionally, the LAConservancy includes Garfield HS in its list of Historic Places, stating: "Garfield High garnered national attention for the role it, along with four other Los Angeles high schools, played in the East L.A. Chicano Student Walkouts (Blowouts) of March 1968" (LA Conservancy 2022).

Recommended contributors to a potential historic district are the 11 buildings and elements of the campus grounds that were extant at the time of the Blowouts (Figure 190 and Table 2). All have been minimally altered and therefore retain their character-defining features from the period of significance (Table 3). The campus retains integrity of the seven aspects of integrity of Location, Design, Setting, Materials, Workmanship, Feeling, and Association. Despite the intrusion of the 2011 auditorium and administration/classroom building and the replacement of a group of portable buildings with a central quad, the campus would be recognizable by anyone who was there during the protests. As the Garfield High School Historic District meets Criteria A/1 for the theme of LAUSD and the Civil Rights Movement and retain integrity to its period of significance of 1968, the portion of the campus associated with the Blowouts is recommended eligible as a historic district for listing in the NRHP and CRHR.

Regarding Criteria B/2 for the theme of LAUSD and the Civil Rights Movement, the campus was considered for its association with renowned teacher Jaime Escalante, who gained national attention for his success in teaching calculus to his Garfield students. Research determined that the classroom where he taught, MH-1, was a portable building west of the Shop Building. The nondescript building was demolished in 2010 (*The Eastsider* 2010). Therefore, the campus and none of the individual buildings are recommended eligible under Criteria B/2 for association with an important person.

In consideration of Criteria C/3, the majority of the recommended contributors, specifically those constructed in the 1960s, share several character-defining features of Mid-Century Modernism. They all have flat roofs with minimal ornamentation and simple, geometric volumes. Several of the buildings are lined with open corridors, or arcades, creating an indoor-outdoor connection. The Roman stack-bond brick decorative screens, pylon walls, and exterior walls are a signature of the postwar era, as are the metal louvres covering the windows of some of the major buildings. However, an equal number of the 1960s buildings have double-loaded interior corridors, obviating access to the exterior. Windows are not expansive, and the metal louvres further separate the interiors from the exteriors of the buildings. All of the major contributors are at least two stories in height, rather than the more typical Mid-Century Modern LAUSD school buildings, which are single-story with a low horizontal massing. Thus, the contributors are not good examples of Mid-Century Modern architecture, and the campus is not recommended as an eligible historic district under C/3 for listing in the NRHP and CRHR.

Several architects contributed to the design of the campus buildings. Alfred S. Nibecker, Jr., and W. E. Record worked as District architects and were not otherwise known as outstanding architects. No important projects are attributed to Donald S. Gill, Norman E. Kocher, and Stewart S. Granger. Thus, the contributors were not designed by master architects, and they do not display high artistic qualities. There are many better examples of Mid-Century Modern architecture throughout LAUSD, as described in the individual evaluations below. Therefore, the Garfield High School Historic District is not recommended eligible for NRHP and CRHR under Criteria C/3.

Individual Eligibility

None of the buildings or structures on campus are recommended individually eligible. Each building surveyed is discussed in this section and is evaluated according to the guidelines for the appropriate theme established in the *LAUSD Historic Context Statement*. Criteria D/4 was not considered in this report, as it generally applies to archaeological resources. Previous archaeological studies of the area have not yielded any important information, and there is no reason to believe that the campus buildings will yield important information about the prehistory or history of the local area, California, or the nation. Character-defining features for each of the recommended contributors are included in Table 3. As the buildings are eligible as contributors to a historic district under Criteria A/1, the character-defining features are those that identify the buildings as they appeared at the time of the Blowouts, rather than architectural details that would suggest they are eligible individually under Criteria C/3. Because the Blowouts took place throughout the campus and in the surrounding streets, the features of each façade of each extant building are listed.

Table 2. Evaluation of Buildings Surveyed

Building Name	Year Built	Architect	Status Code*	Contributor
Science Building	1925	W. E. Record	3D; 3CD	Yes
Parent Center	1940	A. S. Nibecker, Jr.	3D; 3CD	Yes
ROTC Building	1947	A. S. Nibecker, Jr.	3D; 3CD	Yes
Boys' Locker and Shower	1960	Donald S. Gill	3D; 3CD	Yes
Storage Building	1960	Kenneth Bergstrom	6Z	No
Cafeteria and Pavilion	1963/1968	Granger Chalmers & Associates/Norman E. Kocher	6Z	No
Parking Garage/Classroom D	1963	Stewart S. Granger	3D; 3CD	Yes

Building Name	Year Built	Architect	Status Code*	Contributor
Classroom Building	1965	Stewart S. Granger	3D; 3CD	Yes
Shop Building	1967	Stewart S. Granger	3D; 3CD	Yes
Boys' and Girls' Gymnasium	1967	Stewart S. Granger	3D; 3CD	Yes
Field Sanitary Building	1967	Stewart S. Granger	3D; 3CD	Yes
Classroom/Utility Building	1968	Stewart S. Granger	3D; 3CD	Yes
Library/Classroom Building	1975	EJ Samaniego	6Z	No
Stadium/Bleachers	c. 1950		3D; 3CD	Yes
Quad	1969	—	6Z	No

*3D = Appears eligible for NRHP as a contributor to an NRHP-eligible district through survey evaluation; 3CD = Appears eligible for CRHR as a contributor to a CRHR-eligible district through a survey evaluation. 6Z = Recommended ineligible for NRHP, CRHR, or local designation through survey evaluation.

Table 3. Character-Defining Features of Contributors to the Garfield High School Historic District (Criteria A/1)

Building Name	Character-Defining Features
Science Building	• Three stories • Flat roof • Three-by-two over three-by-two multi-light vertically oriented recessed sash windows • Plaster cladding
Parent Center	• Single story • Residential style with complex gabled and hipped roof • Multi-light sash windows • Recessed covered porch • Brick chimney • Horizontal wood cladding
ROTC Building	• Single story with partially exposed basement at south façade • Large group of six vertically oriented two-by-two over two-by-two recessed sash • Gabled roof • Canopies over multiple exterior doors • Stucco cladding
Boys' Locker and Shower	• Single story with central clerestory windows • Groups of three windows placed high on walls • Very slightly sloped front-gabled roof with wide overhangs • Canopies over multiple exterior doors • Stucco cladding
Parking Garage/Classroom D	• Three stories with first floor recessed • Flat roof • Two-by-two over two-by-two sash windows set between full-height pilasters • Windows on west and east façades covered with horizontal metal louvers
Classroom Building	• Two stories • Flat roof • Open two-story arcade connecting to the Shop Building to the north • One-over-one recessed sash windows in groups • Metal louvers covering windows at south façade • Simple full-height rectangular pilasters framing windows • Exterior walls alternating between plaster and Roman stack-bond brick

Building Name	Character-Defining Features
Shop Building	• Two and two-and-a-half stories • Flat roof • Open two-story arcade connecting to the Classroom Building to the south • Cantilevered arcade over vehicle work yard at east façade • Horizontally oriented windows placed high on wall at east façade • Exterior walls alternating between plaster and Roman stack-bond brick • Roman stack-bond wing walls
Boys' and Girls' Gymnasium	• Overlapping rectangular masses of various heights marking different interior functions and forming an irregular plan • Flat roof • Roman stack-bond brick wing walls flanking recessed plaster walls
Field Sanitary Building	• Single story • Flat roof with wide overhang and flat fascia • Walls composed of Roman stack-bond brick • No windows
Classroom/Utility Building	• Two stories • Flat roof • Windows set between full-height pilasters • Roman stack-bond brick wing walls supporting open stairway • Windows on west and east façades covered with horizontal metal louvers
Stadium/Bleachers	• Oval grass playing field • Dirt track • Aluminum bleachers

Science Building

The Science Building (1925) is evaluated under the theme of Pre-1933 Long Beach Earthquake School. Plants, 1910–1933. As it was present at the time of the 1968 student protests, it is also evaluated under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria A/1. The Science Building does not embody the characteristics of a Pre-1933 Long Beach Earthquake School Plant. It is not a component of a campus that exhibits the ideals of the theme, such as an emphasis on a spread-out site plan with designed outdoor spaces with a varied collection of buildings. Therefore, the Science Building is not a good example of a Pre-1933 Long Beach Earthquake School Plant and is recommended not eligible for listing in the NRHP/CRHR under Criteria A/1. However, because the Science Building was present in 1968 during the Blowouts, it is recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria B/2. Research revealed no evidence that any important person was directly associated with the Science Building. Therefore, the building is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. The utilitarian Science Building lacks ornamentation or historicizing elements and is therefore not a good example of a Period Revival school building, as would be associated with a Pre-1933 Earthquake school. The building is the work of W. E. Record, who was the Business Manager of the Board of Education and likely not a professional architect. The building does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. The building was notably altered in the 1950s (exterior brick clad in stucco) and nearly all windows/doors replaced, which further contributes to why the building is not eligible under C/3. Therefore, the Science Building is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

Parent Center

The Parent Center (1940) is evaluated under the theme of Post-1933 Long Beach Earthquake School Plants, 1933–1945. As it was present at the time of the 1968 student protests, it is also evaluated under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria A/1. The Parent Center does not exemplify school planning and design concepts of the period, including requirements under the 1934 Field Act. In all ways, it resembles a residential property rather than any type of educational building, and it was not funded by the WPA. Therefore, the Parent Center is not associated with an event that has made a significant contribution to history and is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. However, because it was present in 1968 during the Blowouts, the Parent Center is recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria B/2. The Parent Center was called the Reiterman House in honor of a retiring Garfield HS Vice Principal Alice Reiterman. Reiterman did not live in the building or produce the majority of her work at the building. Therefore, the Parent Center is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. The Parent Center does not exhibit any of the architectural styles associated with the theme. Rather, it appears to be a Minimal Traditional house, exhibiting features of a residence including a moderately pitched gabled roof, wood cladding, paneled wood front door, a porch, front and back doors, and a kitchen. It was designed by District architect A. S. Nibecker, Jr., who was not known outside of his work at the Board of Education. The building does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. Therefore, the Parent Center is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

ROTC Building

The ROTC Building (1947) is evaluated under the theme of Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945–1969. As it was present at the time of the 1968 student protests, it is also evaluated under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria A/1. The ROTC Building does not embody the characteristics of a postwar modern functionalist school. It does not clearly express its function, and it is not a component of a campus exhibiting the postwar ideals of informality and indoor-outdoor connections. It does not display window configurations intended to tailor interior light to create cross-lit classrooms. The building was likely moved from another campus, thus lacking association with Garfield HS from the period of significance of the theme. Therefore, the ROTC Building is not associated with an event that has made a significant contribution to history and is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. However, because it was present in 1968 during the Blowouts, the ROTC Building is recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria B/2. Research revealed no evidence that any important person was directly associated with the ROTC Building. Therefore, the building is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. The ROTC Building does not exhibit the character-defining features of any of the architectural styles associated with the theme, specifically Mid-Century Modernism. It does not display horizontally oriented massing, simple geometric volumes, a flat roof, excellent craftsmanship, or generous expanses of windows. The design is attributed to District architect A. S. Nibecker, Jr., who was not

known outside of his work at the Board of Education. The building does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. Therefore, the ROTC Building is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

Boys' Locker and Shower Building

The Boys' Locker and Shower Building (1960) is evaluated under the theme of Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945–1969. As it was present at the time of the 1968 student protests, it is also evaluated under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria A/1. The Boys' Locker and Shower Building does not embody the characteristics of a postwar modern functionalist school. Although it does exhibit some of the character-defining features of a building under this theme, including a flat roof and window configurations intended to admit light to the interior, it is not a component of a campus that exhibits the postwar ideals of informality and indoor-outdoor connections. Therefore, the Boys' Locker and Shower Building is not a good example of the theme and is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. However, because it was present in 1968 during the Blowouts, the Boys' Locker and Shower Building is recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria B/2. Research revealed no evidence that any important person was directly associated with the Boys' Locker and Shower Building. Therefore, the building is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. The Boys' Locker and Shower Building exhibits some of the character-defining features of Mid-Century Modernism, which is the architectural style most commonly associated with this theme. It displays horizontally oriented massing, a flat roof, simple geometric volumes, and generous expanses of clerestory windows. The same plans were used at Verdugo High School. The building was designed by Donald S. Gill, who was responsible for several educational and institutional buildings and campuses in Southern California but was not distinguished by any important work. There are many better examples of postwar Mid-Century Modern school buildings throughout LAUSD, such as the classroom buildings at Chatsworth High School and Palisades High School. The Boys' Locker and Shower Building does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. Therefore, the ROTC Building is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

Storage Building

The Storage Building (1960) is evaluated under the theme of Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945–1969.

Criteria A/1. The Storage Building does not embody the characteristics of a postwar modern functionalist school building. It is an undistinguished utilitarian building that does not exhibit any of the character-defining features outlined under the theme of Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945–1969, such a flat roof, an indoor-outdoor connection, and window configurations intended to admit light to the interior. Therefore, the Storage Building is not a good example of the theme and is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. In addition, because the building was moved to its current location after the Blowouts, the Storage Building is not recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria B/2. Research revealed no evidence that any important person was directly associated with the Storage Building. Therefore, the building is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. The Storage Building is utilitarian and exhibits none of the character-defining features of a school building associated with this theme. The architect is unknown. The building does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. Therefore, the Storage Building is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

Cafeteria/Lunch Pavilion

The Cafeteria (1962) and Lunch Pavilion (1968) complex is evaluated under the theme of Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945–1969.

Criteria A/1. The Cafeteria/Lunch Pavilion does not embody the characteristics of a postwar modern functionalist school. Although it does exhibit some of the character-defining features of a building under this theme, including a flat roof and an indoor-outdoor connection, it is not a component of a campus that exhibits the postwar ideals of informality and indoor-outdoor connections. Therefore, the Cafeteria/Lunch Pavilion is not a good example of the theme and is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. Although the Cafeteria was present during the 1968 Blowouts, the major addition of the Lunch Pavilion at a later date affects the integrity of the original building. The Lunch Pavilion does not appear in photographs from the event; therefore, the Cafeteria/Lunch Pavilion complex is not recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria B/2. Research revealed no evidence that any important person was directly associated with the Cafeteria/Lunch Pavilion. Therefore, the building is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. The Cafeteria/Lunch Pavilion exhibits character-defining features of Mid-Century Modernism, which is the architectural style most commonly associated with this theme. It displays horizontally oriented massing, a flat roof, simple geometric volumes, and a direct expression of structural systems. Additionally, the building incorporates features associated with the style such the Roman stack-bond brick used throughout campus in the buildings constructed during the period of significance of the theme. The building was designed by Stewart S. Granger, who was responsible for all of the Garfield HS buildings constructed during the 1960s (as Granger Chalmers & Associates in the case of the Cafeteria). His most notable work appears to be educational facilities in Southern California. There are no major works associated with his entry in historical directories of the AIA or in the Pacific Coast Architecture Database (PCAD). The Pavilion was designed by Norman E. Kocher, who was assistant architect for the Board of Education. As such, he could not be considered a master architect. There are many better examples of postwar Mid-Century Modern school buildings throughout LAUSD, such as the Administration Building at Grover Cleveland High School (also designed by Granger, in partnership with Charles O. Matcham, 1959) and the Cafeteria at Orville Wright Middle School (Spaulding & Rex, 1951). The Cafeteria/Lunch Pavilion does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. Therefore, the complex is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

Parking Garage/Classroom D

Parking Garage/Classroom D (1963) is evaluated under the theme of Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945–1969. As it was present at the time of the 1968 student protests, it is also evaluated under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria A/1. Parking Garage/Classroom D does not embody the characteristics of a postwar modern functionalist school. Although it does exhibit some of the character-defining features of a building under this theme, it is not a component of a campus that exhibits the postwar ideals of informality and a unified site design. The double-loaded interior corridors of the building and lack of indoor-outdoor connections better reflect earlier periods in school design., Parking Garage/Classroom D is not a good example of the theme and is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. However, because it was present in 1968 during the Blowouts, Parking Garage/Classroom D is recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria B/2. Research revealed no evidence that any important person was directly associated with Parking Garage/Classroom D Therefore, the building is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. Parking Garage/Classroom D exhibits some of the character-defining features of Mid-Century Modernism, which is the architectural style most commonly associated with this theme. It displays horizontally oriented massing, a flat roof, and simple geometric volumes. The building was designed by Stewart S. Granger, who was responsible for most of the Garfield HS buildings constructed during the period of significance (as Granger Chalmers & Associates in the case of the Cafeteria). His most notable work appears to be educational facilities in Southern California. There are no major works associated with his entry in historical directories of the AIA or in the Pacific Coast Architecture Database (PCAD). There are many better examples of postwar Mid-Century Modern school buildings throughout LAUSD, such as those mentioned in the evaluation for the Garfield HS Cafeteria in the preceding section. Parking Garage/Classroom D does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. Therefore, Parking Garage/Classroom D is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

Classroom Building

The Classroom Building (1966) is evaluated under the theme of Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945–1969. As it was present at the time of the 1968 student protests, it is also evaluated under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria A/1. The Classroom Building does not embody the characteristics of a postwar modern functionalist school. Although it does exhibit some of the character-defining features of a building under this theme, it is not a component of a campus that exhibits the postwar ideals of informality and indoor-outdoor connections. Therefore, the Classroom Building is not a good example of the theme and is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. However, because it was present in 1968 during the Blowouts, the Classroom Building is recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria B/2. Research revealed no evidence that any important person was directly associated with the Classroom Building. Therefore, the building is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. The Classroom Building exhibits some of the character-defining features of Mid-Century Modernism, which is the architectural style most commonly associated with this theme. It displays horizontally oriented massing, a flat roof, and simple geometric volumes. The building was designed by Stewart S. Granger, who was responsible for most of the Garfield HS buildings constructed during the period of significance (as Granger Chalmers & Associates in the case of the Cafeteria). His most notable work appears to be educational facilities in Southern California. There are no major works associated with his entry in historical directories of the AIA or in the PCAD. There are many better examples of postwar Mid-Century Modern school buildings throughout LAUSD, such as those mentioned in the evaluation for the Garfield HS Cafeteria in the preceding section. The Classroom Building does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. Therefore, the Classroom Building is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

Shop Building

The Shop Building (1967) is evaluated under the theme of Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945–1969. As it was present at the time of the 1968 student protests, it is also evaluated under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria A/1. The Shop Building does not embody the characteristics of a postwar modern functionalist school. Although it does exhibit some of the character-defining features of a building under this theme, it is not a component of a campus that exhibits the postwar ideals of informality and indoor-outdoor connections. Therefore, the Shop Building is not a good example of the theme and is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. However, because it was present in 1968 during the Blowouts, the Shop Building is recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria B/2. Research revealed no evidence that any important person was directly associated with the Shop Building. Therefore, the building is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. The Shop Building exhibits some of the character-defining features of Mid-Century Modernism, which is the architectural style most commonly associated with this theme. It displays horizontally oriented massing, a flat roof, and simple geometric volumes. The building was designed by Stewart S. Granger, who was responsible for most of the Garfield HS buildings constructed during the period of significance (as Granger Chalmers & Associates in the case of the Cafeteria). His most notable work appears to be educational facilities in Southern California. There are no major works associated with his entry in historical directories of the AIA or in the PCAD. There are many better examples of postwar Mid-Century Modern school buildings throughout LAUSD, such as those mentioned in the evaluation for the Garfield HS Cafeteria in the preceding section. The Shop Building does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. Therefore, the Shop Building is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

Boys' and Girls' Gymnasium

The Boys' and Girls' Gymnasium (1967) is evaluated under the theme of Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945–1969. As it was present at the time of the 1968 student protests, it is also evaluated under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria A/1. The Gymnasium does not embody the characteristics of a postwar modern functionalist school. Although it does exhibit some of the character-defining features of a building under this theme, it is not a component of a campus that exhibits the postwar ideals of informality, a unified design, and

indoor-outdoor connections. Therefore, the Gymnasium is not a good example of the theme and is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. However, because it was present in 1968 during the Blowouts, the Boys' and Girls' Gymnasium is recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria B/2. Research revealed no evidence that any important person was directly associated with the Gymnasium. Therefore, the building is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. The Gymnasium exhibits some of the character-defining features of Mid-Century Modernism, which is the architectural style most commonly associated with this theme. It displays horizontally oriented massing, a flat roof, and simple geometric volumes. The building was designed by Stewart S. Granger, who was responsible for most of the Garfield HS buildings constructed during the period of significance (as Granger Chalmers & Associates in the case of the Cafeteria). His most notable work appears to be educational facilities in Southern California. No major works are associated with his entry in historical directories of the AIA or in the PCAD. There are many better examples of postwar Mid-Century Modern school buildings throughout LAUSD, such as those mentioned in the evaluation for the Garfield HS Cafeteria in the preceding section. The Gymnasium does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. Therefore, the Gymnasium is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

Field Sanitary Building and Arcade #4

The Field Sanitary Building (1967) is evaluated under the theme of Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945–1969. As it was present at the time of the 1968 student protests, it is also evaluated under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria A/1. The Field Sanitary Building does not embody the characteristics of a postwar modern functionalist school. Although it does exhibit some of the character-defining features of a building under this theme, it is not a component of a campus that exhibits the postwar ideals of informality and indoor-outdoor connections. Therefore, the Field Sanitary Building is not a good example of the theme and is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. However, because it was present in 1968 during the Blowouts, the Field Sanitary Building is recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, with a period of significance of 1968.

Criteria B/2. Research revealed no evidence that any important person was directly associated with the Field Sanitary Building. Therefore, the building is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. The Field Sanitary Building exhibits some of the character-defining features of Mid-Century Modernism, including a single-story horizontally oriented massing, a flat roof, and simple geometric volumes. As no as-built architectural plans were located, the architect is unknown. There are many better examples of postwar Mid-Century Modern school buildings throughout LAUSD. The Field Sanitary Building does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. Therefore, the Field Sanitary Building is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

Classroom/Utility Building

The Classroom/Utility Building (1968) is evaluated under the themes of Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945–1969. As it was present at the time of the 1968 student protests, it is also evaluated under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria A/1. The Classroom/Utility Building does not embody the characteristics of a postwar modern functionalist school. Although it does exhibit some of the character-defining features of a building under this theme, it is not a component of a campus that exhibits the postwar ideals of informality and a unified site design. The double-loaded interior corridors of the building and lack of indoor-outdoor connections better reflect earlier periods in school design. Therefore, the Classroom/Utility Building is not a good example of the theme and is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. However, because it was present in 1968 during the Blowouts and is visible in the background showing students gathering in the south bleachers, the Classroom/Utility Building is recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980 (see Figure 12).

Criteria B/2. Research revealed no evidence that any important person was directly associated with the Classroom/Utility Building. Therefore, the building is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. The Classroom/Utility Building exhibits some of the character-defining features of Mid-Century Modernism, which is the architectural style most commonly associated with this theme. It displays horizontally oriented massing, a flat roof, and simple geometric volumes. The building was designed by Stewart S. Granger, who was responsible for most of the Garfield HS buildings constructed during the period of significance (as Granger Chalmers & Associates in the case of the Cafeteria). His most notable work appears to be educational facilities in Southern California. There are no major works associated with his entry in historical directories of the AIA or in the PCAD. There are many better examples of postwar Mid-Century Modern school buildings throughout LAUSD, such as those mentioned in the evaluation for the Garfield HS Cafeteria in the preceding section. The Classroom/Utility Building does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. Therefore, the Classroom/Utility Building is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

Library/Classroom Building

The Library/Classroom Building (1975) is the only example at Garfield HS of a building constructed during the period of significance for the proposed theme of the High-Tech, Late Modern School Plant, 1970 and later.

Criteria A/1. The Library/Classroom Building does not embody the characteristics of a high-tech, late modern school. It does exhibit some of the character-defining features of a building under this theme, such as a design that incorporates air conditioning, with minimal windows that are set back into the building. As campus infill, it displays an effort to maximize the use of the space available for the new building. Because the proposed theme is not included in the current *LAUSD Historic Context Statement* and has not been fully developed, few school buildings have been thoroughly evaluated under the theme. Therefore, it cannot be determined whether there are better examples within LAUSD. The Library/Classroom Building is not a good example of the theme and is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. As it was constructed after the period of significance, the building is also recommended not eligible as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Criteria B/2. Research revealed no evidence that any important person was directly associated with the Library/Classroom Building. Therefore, the building is recommended not individually eligible under Criterion B/2 for listing in the NRHP/CRHR.

Criterion C/3. The Library/Classroom Building exhibits character-defining features of a late-modern school building. The design appears to be a reaction to the sleek, Modern-era buildings with plentiful windows and doors that open onto patios or open corridors. The curved corners of the building are in stark contrast to the often hard-edged Mid-Century Modern buildings seen on LAUSD campuses.

The building was designed by EJ Samaniego, who specialized in regional designs suggested by his home country, Mexico. This was the case particularly later in his career, when he designed the Library/Classroom Building for Garfield HS. Samaniego designed a few notable buildings, but none was recognized for outstanding design. Thus, he cannot be considered a master architect. As the design is unique, it is difficult to compare with other buildings under the same theme. The Library/Classroom Building does not embody a distinctive type, period, and method of construction, and it does not possess high artistic values. Therefore, the Library/Classroom Building is recommended not individually eligible under Criterion C/3 for listing in the NRHP/CRHR.

Arcades

The arcades were designed and constructed concurrent with the designs of the buildings with which they are associated. Arcade #1 is alongside the Cafeteria, Arcade #2 is between the Shop and Classroom buildings, Arcade #3 is east of the Shop Building, and Arcade #4 is connected to the Field Sanitary Building. As the arcades are integral to the associated buildings, significance is evaluated as part of the building evaluations.

Stadium

As the Stadium (Playing Field and South Bleachers) was demonstrably present at the time of the Blowouts, the complex is evaluated under the theme of LAUSD and the Civil Rights Movement, 1954–1980. No eligibility standards or character-defining features are provided in the *LAUSD Historic Context Statement* for features of campus grounds. Therefore, although the Playing Fields and South Bleachers are recommended as contributors to the Garfield High School Historic District, they are not evaluated for individual eligibility in this report.

Quad

No eligibility standards or character-defining features are provided in the *LAUSD Historic Context Statement* for features of campus grounds. Therefore, the Quad is recommended not individually eligible for listing in the NRHP/CRHR under Criteria A/1. As the Quad was not added to the campus until after the time of the Blowouts, the landscaped complex is also recommended not eligible as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Integrity

The buildings and grounds of the Garfield HS campus associated with the theme of LAUSD and the Civil Rights Movement retain overall integrity. There are intrusions in the district—specifically the 2011 administration and auditorium buildings, and some elements that have been removed/redesigned—specifically portable buildings at the center of campus where the 1969 Quad currently exists. Despite these alterations, the campus retains high integrity in each of the seven aspects of integrity. The recommended contributors have not been moved; therefore, the potential historic district retains integrity of *Location*. The combination of elements that create the form, plan, space, structure, and style of the campus remains; therefore, it has integrity of *Design*. Although the neighborhood has developed in the

vicinity of the school, it remains primarily residential. Although infill in the form of backhouses and large multi-family apartment buildings is common, the campus retains the basic physical conditions under which it was built and the function of serving students in the immediate neighborhood. Therefore, it retains integrity of *Setting*. With largely unaltered building exteriors of the recommended contributors, the potential historic district retains integrity of *Materials* and *Workmanship*. Finally, the physical features of the buildings are largely unchanged since the 1968 Blowouts enabling Garfield HS to convey it historic *Feeling* and *Association* with the events that make it historically significant. In accordance with the *LAUSD Historic Context Statement* guidelines, the recommended contributors retain the majority of the essential aspects of integrity from the period of significance.

CONCLUSION

ASM carefully considered the potential significance of Garfield HS under the criteria described in this report. ASM recommends a historic district associated with LAUSD and the Civil Rights Movement as eligible for listing in the NRHP and CRHR, under Criteria A/1. None of the recommended contributors, or any other building on campus, is recommended individually eligible under any criteria. As such, ASM recommends that Garfield HS is a historical resource in accordance with CEQA and a historic property in accordance with NHPA.

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List of Architectural Drawings

Cultural Resources Technical Report for James A. Garfield High School Major Modernization Project, East Los Angeles, Los Angeles County, California

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EXECUTIVE SUMMARY

ASM Affiliates (ASM), under contract to WSP, has prepared this Cultural Resources Technical Report (CRTR) in support of a Mitigated Negative Declaration (MND) being prepared for the Major Modernization Project (Project) at James E. Garfield High School (Garfield HS), located at 5101 East Sixth Street, East Los Angeles, California 90022, Los Angeles County, California (APNs 5248-021-901, 5248-010-904, and 5248-012-914). The Project includes demolition of buildings, construction of one new building, site upgrades, seismic and fire and safety upgrades, and Americans with Disabilities Act (ADA) improvements. The MND is being prepared in accordance with the California Environmental Quality Act (CEQA). An Initial Study for the Project prepared in October 2023 determined that the Project would potentially create a significant impact on cultural resources.

The Los Angeles Unified School District (LAUSD) recognizes that several buildings at Garfield HS have been identified as contributors to a potential historic district eligible for listing in the National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR) under Criteria A/1 (ASM 2022). None of the contributors are considered individually eligible under these same criteria. This report considers whether the proposed Project would impact any identified historical resources within the project's Area of Potential Impacts (API). This report provides an assessment and evaluation of potential direct and indirect impacts to those historical resources and the identified Garfield High School Historic District as a result of the proposed Project.

This assessment of impacts was conducted in compliance with CEQA and guided by the *Secretary of the Interior's Standards for the Treatment of Historic Properties* (*SOI Standards*). CEQA Guidelines Section 15064.5 defines significant impacts as a substantial adverse change to a historic resource, encompassing "demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (AEP 2016:140). The Guidelines also state: "Generally, a Project that follows the Secretary of the Interior's Standards for Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring and Rehabilitating Historic Buildings … shall be considered as mitigated to a less than significant level" (AEP 2016:141).

Because the Project site includes the NRHP- and CRHR-eligible Garfield High School Historic District, as determined by the 2022 ASM Historical Resources Evaluation Report (HRER), the Project poses the potential to cause significant direct impacts to historical resources. The design for the Project, as proposed, would require demolition of one contributor to the historic district (Parking Garage/Classroom D) and would impact potentially a second contributor (the Science Building) and thus would result in direct impacts to the historic district as identified in the HRER (ASM 2022). However, after conducting the recommended mitigation measures, those impacts could be reduced to less than significant.

The mitigation measures detailed in this report are recommended to minimize the potentially significant impacts in accordance with CEQA. Implementation of the mitigation measures will reduce the impacts to less than significant and therefore the Project will not result in a substantial adverse change to a historical resource pursuant to CEQA Section 21084.1 and CEQA Section 15064.5 (b)(4) (*Determining the Significance of Impacts to Archeological and Historical Resources*).

INTRODUCTION

This report describes the goals, methods, and findings of the impacts analysis conducted by ASM Affiliates (ASM), for the Garfield High School (Garfield HS) Major Modernization Project (Project) in Los Angeles, Los Angeles County, California. LAUSD proposes the construction of the Project within the Garfield campus, which encompasses a previously identified historic district. The California Environmental Quality Act (CEQA) applies to discretionary projects undertaken, approved, or funded by a public agency. As such, the proposed Project is subject to CEQA. LAUSD is the "lead agency" under CEQA and is responsible for the design, funding, construction, and operation of the campus modernization Project. ASM has prepared this report to evaluate whether the proposed Project would either directly or indirectly impact the Garfield High School Historic District or its contributors within the Project's Area of Potential Impacts (API). The following introductory sections present a description of the Project and the applicable regulatory framework.

Previous Evaluations

Garfield HS was one of five LAUSD high school campuses that participated in the 1968 "Blowouts," a series of youth-led protests against unequal educational conditions for Mexican-American students. During the protests in March 1968, students at the five schools walked out to draw attention to the poor conditions in LAUSD's East L.A. area schools and the lack of opportunities available to Latino students. The student-led protests constituted a mass response to the discrepancies between the education of white and Mexican-American students and served as a catalyst for the national Chicano Civil Rights Movement.

In 2022, ASM evaluated the high school for historic significance through a Historic Resource Evaluation Report (HRER). ASM considered all campus buildings and structures more than 45 years old for potential eligibility as individual resources as well as for listing as contributors to a historic district. ASM identified 11 contributing resources comprising an NRHP- and CRHR-eligible historic district significant for its association with the 1968 Blowouts (ASM 2022:2). ASM determined that Garfield HS was eligible for listing in the NRHP and CRHR as the Garfield High School Historic District. The historic district's period of significance (POS) was defined as 1968, the year of the Blowouts. Of the 15 campus buildings and structures considered, 11 were identified as contributing to the historic district. None of the campus buildings/structures were determined to be individually eligible for federal or state designation (ASM 2022:13, 36-37). The high school is thus considered a historical resource for the purposes of CEQA.

Prior to ASM's recent evaluation, the campus was surveyed in 1994 and recorded as P-19-175343 as part of LAUSD's survey of schools damaged in the 1994 Northridge Earthquake for purposes of Section 106 review. The 1924 Main Building at Garfield HS, which has been demolished, was determined ineligible for the NRHP by consensus through the Section 106 process; it was not evaluated for CRHR or local listing (HRG 1994). A previous survey of a selection of LAUSD schools, specifically Heumann (2002), did not include Garfield HS. As the campus is not within any City of Los Angeles Community Plan Area, it was not recorded by the citywide historic resources survey known as SurveyLA.

PROJECT LOCATION AND SETTING

The Project is located within the boundaries of the Garfield HS campus, which is in the census-designated community known as East Los Angeles (East L.A.) in an unincorporated area of Los Angeles County. Boyle Heights is adjacent to the west, lying between East L.A. and Downtown Los Angeles. East L.A. is dominated and defined by several major freeways. The San Bernardino Freeway (US 10) generally marks the northern boundary of East L.A., and the Santa Ana Freeway (US 5) generally marks the southern boundary. The Pomona Freeway (CA 60) and the Long Beach Freeway (US 710) cross at the approximate

center of the community.1 Garfield HS is in the southeast quadrant of East L.A. at 5101 East Sixth Street. The campus is bounded by Fraser Avenue on the west, Escuela Street on the north, and South Woods Avenue on the east (Figures 1 and 2).[2]

In 1905, the Janss Investment Company began developing the area called Boyle Heights at the eastern terminus of the Los Angeles Railway's "R" streetcar line (*Los Angeles Herald* 1905). Acknowledging the "overflow" of the City to the east, in 1921 the Janss Company announced that it had purchased 154 additional acres east of Boyle Heights past the end of the streetcar line (*Los Angeles Evening Express* 1921). In 1932, local business leaders gave the name East Los Angeles to Belvedere and adjacent areas (*Los Angeles Times* 1937). East L.A. became a destination for working-class Angelenos of diverse ethnic backgrounds, many of whom worked for industries associated with the Southern Pacific Railroad. Like Boyle Heights, East L.A. was a neighborhood that served as a first point of entry for many of Los Angeles's immigrant communities. It had a sizable Mexican-American population from an early date, which became a wider Latino American community during the post-World War II population boom (GPA Consulting and Becky Nicolaides 2015:9–10). It has among the highest population densities for the county, and as of 2022, its ethnicity was 96.7 percent Latino, primarily Mexican (*Los Angeles Times* 2022).

PROJECT DESCRIPTION

LAUSD is proposing a major modernization project for Garfield HS. The Project is designed to address the most critical physical concerns of the buildings and grounds at the campus while upgrading, renovating, modernizing, and reconfiguring the campus to provide facilities that are safe, secure, and better aligned with the current instructional program. A site plan of the campus as it currently exists shows the proposed Project area (Figure 3). A detailed description of the proposed Project's components and design is provided in an Initial Study. The proposed Project is required to undergo an environmental review pursuant to CEQA.

METHODOLOGY

ASM previously conducted an intensive-level survey of the architectural resources within the direct API and referred to our prior report and survey for this report. The direct API was resurveyed by Shannon Davis, ASM Senior Architectural Historian on June 12, 2023. ASM documented viewsheds toward and from resources within the previously recommended historic district from the Project area. ASM did not re-evaluate Garfield HS for its associational significance, but referred to our prior evaluation of the campus for its association with Latino history and the 1968 walk-outs (ASM 2022).

ASM previously prepared the *Historic Resource Evaluation Report for James A. Garfield High School, Los Angeles, California* (ASM 2022). ASM did not conduct any additional historical research for this report. LAUSD requested a search of the Sacred Lands File to be conducted by the California Native American Heritage Commission (NAHC) to identify any areas of Native American heritage significance. The NAHC provided a list of tribal contacts who may have further information regarding the project area (Appendix B). Notification letters were sent by LAUSD via email on August 25, 2023. As of this report, no requests for AB 52 consultation were received.[3]

LAUSD determined that an archaeological survey of the campus was not required for this report.

[1] Community boundaries follow those indicated by Mapping L.A./East Los Angeles, a project of the *Los Angeles Times.* Available at: https://maps.latimes.com/neighborhoods/neighborhood/east-los-angeles/; accessed May 24, 2022.
[2] All figures are included in Appendix A of this report.
[3] Email from Christy Wong (LAUSD) to Nick Meisinger (WSP), September 28, 2023.

PROJECT PERSONNEL

ASM Senior Architectural Historian, Shannon Davis, M.A., was the team leader conducting the impacts analysis, as well as Project Manager for ASM. Ms. Davis exceeds the professional qualification standards for Architectural Historian and Historian as identified in the *Secretary of the Interior's Standards for Archeology and Historic Preservation* (36 CFR 61). As an Architectural Historian at ASM, Ms. Davis has documented and evaluated numerous cultural resources for CEQA and Section 106 of the National Historic Preservation Act (NHPA) compliance, impacts/effects analysis, Historic Structures Reports (HSR), Historic American Building Surveys (HABS), and NRHP nominations. Ms. Davis additionally has past professional experience with the cultural resources programs of the National Park Service, including eight years as an Historian with the NRHP.

Ms. Davis was assisted in this analysis by ASM Senior Architectural Historian, Marilyn Novell, M.S., and Sherri Andrews, M.A., J.D., RPA. Ms. Novell meets the professional qualification standards for Architectural Historian and Historian as identified in the *Secretary of the Interior's Standards for Archeology and Historic Preservation* (36 CFR 61). As an Architectural Historian, Ms. Novell has conducted historic and cultural resource assessments for projects throughout Los Angeles County and California. Ms. Novell has experience in developing historical and cultural resources reports and in evaluating properties under federal, state, and local criteria, including NRHP, Section 106, CRHR, and CEQA compliance.

REGULATORY FRAMEWORK

CEQA REGULATIONS

CEQA Guidelines 15064.5 *Determining the Significance of Impacts to Archeological and Historical Resources* requires that all private and public activities not specifically exempted be evaluated for potential environmental impacts, including impacts to historical resources. CEQA Section 21084.1 states that significant impacts may occur if "a project may cause a substantial adverse change in the significance to a historic resource." CEQA defines historical resources as "any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California."

Lead agencies have a responsibility to evaluate a project's impacts to historical resources and to determine whether those impacts are significant. Mitigation of significant impacts is required if the proposed Project will cause substantial adverse change to a historical resource. Substantial adverse change includes "demolition, destruction, relocation, or alteration such that the significance of an historical resource would be impaired." While demolition and destruction are fairly obvious significant impacts, it is more difficult to assess when change, alteration, or relocation crosses the threshold of substantial adverse change. The CEQA Guidelines provide that a project that demolishes or alters those physical characteristics of an historical resource that convey its historical significance (i.e., its character-defining features) can be considered to materially impair the resource's significance.

For purposes of CEQA, a "historical resource" is a resource listed in or eligible for listing in the CRHR. The CRHR includes resources listed in, or formally determined eligible for listing in, the NRHP, as well as some California State Landmarks and Points of Historical Interest. Properties of local significance that have been designated under a local preservation ordinance (local landmarks or landmark districts), or that have been identified in a local historical resources inventory, may be eligible for listing in the CRHR and are presumed to be historic resources for purposes of CEQA unless a preponderance of evidence indicates otherwise.

Generally, a resource shall be considered by the lead agency to be a "historical resource" if it:

1. Is listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the CRHR (PRC Section 5024.1, Title 14 CCR, Section 4850 et seq.).
2. Is included in a local register of historical resources, or is identified as significant in an historical resource survey meeting the requirements of Section 5024.1(g) of the PRC.
3. Is a building or structure determined to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California. Generally, a resource is considered "historically significant" if it meets the criteria for listing in the CRHR.

SECRETARY OF THE INTERIOR'S STANDARDS

The *SOI Standards* were codified in 1995 (36 CFR Part 68) to establish professional standards that apply to all proposed development grant-in-aid projects assisted through the National Historic Preservation Fund and serve as general guidance for work on any other historic building (Weeks and Grimmer 2017). The *SOI Standards* for *Rehabilitation* are the appropriate approach to apply to this Project, as Standard 8 addresses impacts to archaeological resources, and Standards 9 and 10 address additions and new construction related

to historic properties (Weeks and Grimmer 2017). The Standards apply to historic resources of all periods, styles, types, materials, and sizes. The Standards also encompass related landscape features, the site, and environment as well as attached, adjacent, or related new construction. The 10 Standards for *Rehabilitation* are:

1. A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces, and spatial relationships.
2. The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.
3. Each property will be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken.
4. Changes to a property that have acquired historic significance in their own right will be retained and preserved.
5. Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.
6. Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.
7. Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used.
8. Archeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken.
9. New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.
10. New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

CRITERIA FOR ASSESSING VISUAL IMPACTS

Because there is no universally accepted yardstick for measuring visual impacts, and because those impacts do not always damage the defining characteristics of an historic property in any physical manner, assessing them can be difficult and complicated. If we are to consider that an historic property is affected when its historic significance and integrity have been diminished, determining how a project harms a resource's historical significance and integrity is essential to any assessment. In assessing the indirect impacts for historic resources, the criteria for significance and the aspects of integrity are factors that require careful evaluation and can provide a defensible qualitative method for determining visual impacts on historic resources.

To ensure a thorough and complete analysis of visual impacts, ASM augmented the nationally recognized guidance of Section 106 (36 CFR 800) regulations of the NHPA and *SOI Standards* with more specific guidance that has been developed by two state agencies—the Delaware State Historic Preservation Office

(Delaware SHPO 2003) and the Wyoming Bureau of Land Management and Wyoming State Historic Preservation Office (Wyoming BLM 2006).

DEFINITIONS

For purposes of this analysis, the following definitions have been used:

Historic Property or Historic Resource: a historic site, district, building, structure, or object that is either eligible for inclusion in the NRHP, or listed therein.

Adverse Visual Impact: an impact that negatively affects the integrity of the setting or feeling of an historic property, to the extent that significance and eligibility for listing in the NRHP are compromised. In particular, adverse visual impacts can be seen as negatively affecting the following characteristics of integrity: setting, feeling, or association.

Obstructive Visual Impacts: any visual impact that carries the potential to obstruct any part of the view of an historic property, or the scenic view from such a resource. Adverse obstructive impacts can obstruct all or a portion of an historic property and/or its viewshed, in turn negatively affecting the property's historic character.

Scenic Views: any scenic resources or resources that are visually and aesthetically important and that contribute to an historic property's significance.

Viewsheds: those areas visible from a specified location or locations.

Visual Impacts: any aspect of a proposed undertaking that will be seen from or will be in the view of an historic property. A visual impact may be beneficial or adverse and may affect the historic property in an aesthetic or obstructive manner. The determination that a visual impact exists does not automatically imply that the impact is adverse.

ADVERSE VISUAL IMPACTS

Adverse visual impacts may be created when an undertaking is visible within the viewshed of the historic property, when it blocks a view toward the historic property, or when it introduces an element that is incompatible with the criteria under which the property is eligible.

Simply because an undertaking will be visible from an historic property does not mean it automatically will create an adverse visual impact. Therefore, it is necessary to evaluate the visual changes and alterations the undertaking will introduce to the resource. In assessing adverse visual impacts on a historic property, it is necessary to identify the criterion or criteria under which the resource is eligible and what qualities or characteristics of the resource contribute to its significance or eligibility. For example, if a resource is eligible for its innovative engineering qualities, visual impacts on the property may not be adverse, whereas if the property is eligible on the basis of its architectural significance, an adverse impact very well may be created.

An adverse visual impact may be obstructive, which is to say it may block the view to or from an historic property; it may also not be obstructive and still create an adverse visual impact in that it introduces elements so incompatible with the criterion or criteria under which the property is eligible for listing that it diminishes the property's significance to a substantial degree. For example, a highway proposed to run alongside a historic rural church, although it would not directly obstruct the view to or from the building, might still introduce an element so incompatible with the rural setting of the property that it would have a diminishing impact on the integrity of the property's setting.

Adverse visual impacts should be determined on a case-by-case basis, weighing the following factors:

- **Significance.** A historic built-environment resource's historical significance and its key aspects of integrity must be taken into account in order to evaluate the project's impacts on the property's eligibility for listing in the NRHP.

- **Character-Defining Features.** The alteration of character-defining features at the project location (including open space) can affect the view from the historic built-environment resource and possibly the location, feeling, setting, and association of that resource.

- **Compatibility.** Whether in an open space or a developed area, the compatibility of the project with the character of the project's location and surrounding area, including historic resources, is important. The character of the historic property's site and architectural features should be the basis for determining the appropriate characteristics of the proposed project. The compatibility of the project is determined by:

    - Mass – the arrangement of the project's spaces;
    - Scale and proportion – the size and the proportion of the project to the surrounding structures and features;
    - Height – sometimes it may be necessary that a project height extend beyond that of the surrounding buildings and other features within view of the project; it is important that the height of the project not cause the line of sight to move so far up that the surrounding features are out of view, thereby detracting from the original view;
    - Shadows;
    - Color;
    - The degree to which the project would contribute to the area's aesthetic value;
    - The degree of contrast, or lack thereof, between the project and the background, surrounding scenery, or neighborhood; and
    - The amount of open space.

- **Obstructive Impacts.** Whether a project is on or near an historic property, it can block the resource from being viewed, or block a view seen from that resource, thereby possibly diminishing its integrity. Determination of adverse obstructive impacts should be made on a case-by-case basis, considering the following factors:

    - The historic property's significance. It is necessary to understand the resource's historic significance and its key aspects of integrity in order to evaluate the project's impacts on the resource's eligibility for listing in the NRHP.
    - Nature and quality of the view from the historic property. This includes such features as natural topography, settings, man-made or natural features of visual interest, and other historic property seen from the historic built-environment resource, any of which would contribute to its significance and integrity.
    - Extent of obstruction. This includes total blockage, partial interruption, or interference with a person's enjoyment and appreciation of a scenic view or historic property viewed from the historic property, to the extent it affects the integrity of the historic property.
    - Obstruction of an historic property. The project might obstruct the historic property from being viewed from the project site or other area. If the historic property is visually appreciated from surrounding viewpoints, obstructing its view may affect its feeling, setting, location, or association.

IDENTIFICATION OF HISTORICAL RESOURCES

DESCRIPTION OF THE AREA OF POTENTIAL IMPACT

The API for the proposed Project includes all areas that could potentially be directly impacted. The area of direct impact is limited to the boundaries of the Garfield High School Historic District within the Garfield HS campus. The area of potential impacts includes all historic resources that could be affected visually, audibly, atmospherically, or by temporary or permanent vibration.

REVIEW OF EXISTING INFORMATION

No archival research was conducted in preparation of this CRTR beyond what information was available in previous reports. ASM reviewed its prior evaluation of the Garfield HS campus, which recommended a historic district within the campus (ASM 2022). For this report, ASM confirmed our previous recommendation of the historic district as eligible for the NRHP and CRHR under Criteria A/1 (ASM 2022). As East L.A. and the campus are not within the City of Los Angeles, they were not specifically addressed by SurveyLA, either in historic contexts prepared for the project or by survey. However, because of the close association of Garfield HS with high schools in east and central Los Angeles neighborhoods, and because Garfield HS is an LAUSD campus that was involved in the 1968 protests, the evaluation relied on several associated historic contexts prepared for the SurveyLA project. Thus, evaluation was guided by the *LAUSD Historic Context Statement, 1870–1969*, specifically the theme of *LAUSD and the Civil Rights Movement, 1954-1980* (LAUSD 2014), and the *SurveyLA Latino Los Angeles Historic Context Statement* (GPA and Nicolaides 2015), under the themes of *Education 1930–1980* and *The Civil Rights Movement, 1920–1980.*

RECORDS SEARCH RESULTS

The SCCIC records search was conducted on January 23, 2024, to determine whether the Project area has been previously subject to systematic survey as well as the presence or absence of previously documented cultural resources within the Project area. The search included all records and documents on file with the SCCIC, as well as the Office of Historic Preservation (OHP) Historic Properties Directory. A total of three previous studies were identified within a 1-mile radius of Garfield HS as a result of the records search (Table 1), none of which include portions of the current Project area.

Table 1. Previous Cultural Resource Projects Conducted within the 1-Mile Records Search Radius

Report No. (LA-)	Year	Author(s)/Affiliation	Title
03909	1977	Unknown	Historic Property Survey Beverly Boulevard - Cash Contract 4832
04045	1995	Maki, Mary K.	Argument Against UCLA Archaeological Information Center's Recommendations for Phase I Survey at 756 Burger Avenue, Los Angeles County, California
04297	1999	Maki, Mary K.	Negative Phase I Archaeological Survey and Impact Assessment of .14 Acre for the 1305 South Arizona Street Project East Los Angeles, Los Angeles County, California

A total of 13 resources have been previously documented within the 1-mi. records search radius, with one present within the Project area, that being the Garfield HS campus itself (Table 2).

Table 2. Resources Previously Documented within the 1-Mile Records Search Radius

Primary # (P-19-)	Trinomial (CA-LAN-)	Date Recorded (Recorded by)	Description	Attribute Codes*	Proximity to Project APE
004177	4177H	2009 (D. Ruzicka and K. Richardson)	1950s-1960s refuse deposit	AH4	Outside
100885	--	2009 (D. Ruzicka)	isolated plate fragment	AH16	Outside
100886	--	2009 (D. Ruzicka)	isolated railroad spike	AH16	Outside
174965	--	1994 (R. Starzak)	United Artists Theatre	HP10	Outside
175343	--	1994 (C. McAvoy)	Garfield High School	HP15	Inside
176524	--	1979 (GELA Cultural Heritage Survey); 1980 (GELA Cultural Heritage Survey); 1994 (R. Starzak); 2020 (T. Meiser and M. Wilson)	Golden Gate Theater	HP10	Outside
176589	--	1994 (R. Starzak)	Boulevard Theatre	HP10	Outside
176590	--	1979 (GELA Cultural Heritage Survey Team); 2014 (K. Anderson)	David Wark Griffith Junior High School	HP15	Outside
188196	--	2005 (C. Taniguchi); 2010 (P. Moruzzi)	"Trim Suppliers"; "Flowers & Presents"	HP6; HP8	Outside
190084	--	2009 (K. A. Crawford)	"Fotofobia"	HP6	Outside
190087	--	2012 (K. A. Crawford)	Chase Bank	HP6	Outside
190952	--	2014 (K. Anderson)	Morris K. Hamaski Elementary School	HP15	Outside
191101	--	2010 (C. Anderson)	Helms Bakery Distribution Plant	HP6	Outside

*AH4. Refuse deposit; AH16. Other; HP6. 1-3 story commercial building; HP8. Industrial building; HP10. Theater; HP15. Educational buildings

NATIVE AMERICAN HERITAGE COMMISSION SEARCH

On August 25, 2023, LAUSD contacted the California Native American Heritage Commission (NAHC) to request a search of their Sacred Lands File and to inquire regarding any registered cultural resources, traditional cultural properties, or areas of heritage sensitivity within the Project area (Appendix B). No requests for AB 52 consultation were received. However, the absence of specific site information in the SLF does not indicate the absence of Native American cultural resources within the Project area.

INTERESTED PARTIES

As the Los Angeles Conservancy has expressed interest in projects at the other Blowout campuses and as part of LAUSD's standard list of potentially interested parties, it is anticipated that the Conservancy will want to express an opinion on the proposed Project at Garfield HS. Accordingly, LAUSD will send notices and will engage the Conservancy as part of regular community involvement meetings.

CEQA HISTORICAL RESOURCES

One CEQA historical resource was identified within the direct Project API: the Garfield High School Historic District. Two contributing resources to the historic district would be directly impacted by the

Project: Parking Garage/Classroom D (100 Building), which would be demolished; and the Science Building (300 Building). The Library/Classroom Building (200 Building), which is a non-contributing resource, would also be demolished, along with the bridge connecting it to the Science Building, which is a contributing resource; potential impacts resulting from removal of the connecting bridge and closure of the opening are addressed in this CRTR. These resources were previously identified and evaluated as described above.

Construction History of Garfield High School[4]

Garfield HS opened its doors on September 4, 1925, amid ongoing construction (*The Gardens Gazette* 1925). The original campus was a physical representation of what the *LAUSD Historic Context Statement* termed the *Progressive Education Movement, Standardization and Expansion, 1910 to 1933* (LAUSD 2014:37). With numerous buildings replaced after the 1933 Long Beach Earthquake and increases in student enrollment over the years, the 1960s largely determined the current physical aspect of the campus. Over the decade, many older buildings were replaced, and new buildings filled much of the remaining space.

In 1963, the Parking Garage/Classroom D building was completed. In 1965, the Classroom Building at the corner of East Sixth Street and Woods Avenue was built, and the Shop Building and the new Boys' and Girls' Gymnasium were completed in 1967. The Classroom/Utility Building on Fraser Avenue was completed in 1968. In 1969, bonds were issued for projects throughout the District aimed at structural strengthening of existing buildings constructed prior to the 1933 Field Act. One of those projects was demolition of the Social Science Building at Garfield HS, constructed pre-1933. The new Library/Classroom Building was connected via multi-level arcades to the Parking Garage/Classroom D on the west and the Science Building on the east (*Highland Park News-Herald and Journal* 1969).

Garfield High School Historic District [5]

Twelve of the 13 buildings 45 years or older currently on campus, as well as the playing field and south bleachers, were extant during the March 1968 student protests. The demolished administration/auditorium building was shown in photos and videos from Blowouts gatherings in the south bleachers, with surveillance being conducted from the rooftop. Recommended contributors to the historic district are the 11 buildings and elements of the campus grounds that were extant at the time of the Blowouts (Table 3). All retain sufficient character-defining features from the period of significance (Table 4). The campus retains all seven aspects of integrity of Location, Design, Setting, Materials, Workmanship, Feeling, and Association. As the Garfield High School Historic District meets Criteria A/1 for the theme of *LAUSD and the Civil Rights Movement* and retains integrity to its period of significance of 1968, the section of the campus associated with the Blowouts is recommended eligible as a historic district for listing in the NRHP and CRHR (Figure 4. None of the buildings or structures on campus were recommended individually eligible.

Table 3. Contributors to the Garfield High School Historic District and Associated Significance Ratings[6]

Building Name	Year Built	Facility ID	Significance Rating[7]
Science Building (300 Building)	1925	21009	Tertiary
Parent Center	1940	23731	Tertiary
ROTC Building	1947	16334	Tertiary

[4] The history of Garfield HS is described in more detail in the previously completed HRER (ASM 2022).
[5] This section of the CRTR summarizes information from the Garfield High School HRER (ASM 2022).
[6] Contributors potentially impacted by the Project are highlighted.
[7] Significance ratings were added to the evaluations by Architectural Resources Group in 2022.

Building Name	Year Built	Facility ID	Significance Rating[7]
Boys' Locker and Shower (Field House)	1960	23376	Tertiary
Parking Garage/Classroom D (100 Building)	1963	24258	Tertiary
Classroom Building (600 Building)	1965	24164	Secondary
Shop Building (500 Building)	1967	23065	Secondary
Boys' and Girls' Gymnasium	1967	21528	Tertiary
Field Sanitary Building	1967	20818	Secondary
Classroom/Utility Building	1968	21012	Secondary
Stadium/Bleachers	c. 1950	—	Primary
Quad	1969	—	—

Table 4. Character-Defining Features of Contributors to the Garfield High School Historic District Potentially Impacted by the Project

Building Name	Character-Defining Features
Parking Garage/Classroom D (100 Building)	• Three stories with first floor recessed • Flat roof • Two-by-two over two-by-two sash windows set between full-height pilasters/piers • Windows on west and east façades covered with horizontal metal louvers
Science Building (300 Building)	• Three stories • Flat roof • Three-by-two over three-by-two multi-light vertically oriented recessed sash windows • Plaster cladding

SUMMARY OF IDENTIFICATION EFFORTS

One CEQA historical resource has been identified within the direct Project API: the Garfield High School Historic District, with two contributing resources directly impacted by the project: Parking Garage/Classroom D (100 Building) and the Science Building (300 Building).

ANALYSIS OF IMPACTS

As the Project includes a CEQA historical resource, it poses the potential to cause significant direct impacts. CEQA defines adverse impacts as a substantial adverse change to a historical resource, encompassing "demolition, destruction, relocation, or alteration such that the significance of an historical resource would be impaired" Section 15064.5(b)(1)). This discussion is guided by CEQA Guidelines stating that the discussion of alternatives should focus on alternatives to the Project or that are capable of avoiding or substantially lessening any significant effects of the Project, "even if these alternatives would impede to some degree the attainment of the project objectives, or would be more costly" (Section 15126.6(b)).

As proposed, the Project calls for demolition of one contributing resource to the previously recommended historic district and potential impacts to a second contributing resource. As such, the Project would have adverse effects on the historic district that could result in the loss of eligibility of the district. Because the Project design will not be finalized until after the EIR is prepared, assessment of impacts in this CRTR is limited to a "building envelope" perspective.

Parking Garage/Classroom D[8]

The three-story Parking Garage/Classroom D was constructed in 1963 from designs by Granger Chalmers and Associates dated 1962. The building is at the far southwest corner of campus at the corner of East Sixth Street and Fraser Avenue. It is connected by a multi-level enclosed corridor to the Library/Classroom to the east, which is a later addition. The building has a flat roof and a generally T-shaped plan. The exterior walls are clad in stucco, and the wing walls are constructed of Roman stack-bond brick. The ground level is recessed from the main walls of the building and is open to parking at the west façade. A high wall of the same brick pattern as the wing walls encloses the building on the street-facing façades. A motif of regularly spaced pilasters/piers with metal louvers obscuring the windows is repeated on all façades of the building, with the omission of the louvers at the south façade (Figure 5). At the interior, the ground floor mainly serves as a garage. Several mosaics and painted murals to potentially be salvaged are along the corridor of the classroom sections of the building (Figures 6–8).

Because it was present in 1968 during the campuswide Blowouts, Parking Garage/Classroom D was recommended under Criteria A/1 as a contributor to the Garfield High School Historic District under the theme of *LAUSD and the Civil Rights Movement, 1954–1980.*

Science Building[9]

The Science Building (1925), also known as the 300 Building or Building 6 (originally Building A), was constructed in 1925. It is the oldest building on campus and the only one remaining from six original buildings planned in 1924.

The three-story Science Building has a flat roof and is clad in plaster. Varying arrangements of identical vertically oriented three-by-two over three-by-two metal replacement windows are at the second and third floors. Windows are recessed with no surrounds and a minimal plaster sill. Windows are generally regularly spaced on the long façades (the east and west façades), with only an occasional narrow separation between groups of five. The shorter, south façade is symmetrical in fenestration, with an entry at the ground level, recessed into three-sided projecting frames. Two windows are centered above the entry. At the north façade is a secondary entrance at the ground level. Two windows are at each of the second and third floors. At the east façade is a three-story tower addition housing an elevator and staircases. The addition is heavily

[8] Parking Garage/Classroom D and its evaluation are described in more detail in the previous HRER (ASM 2022).
[9] The Science Building and its evaluation are described in more detail in the previous HRER (ASM 2022).

reinforced with steel cross braces that are visible at the north façade of the tower, which is open. Landings on each floor are also open on the east façade. The tower is clearly differentiated from the original building by its placement several feet from the façade, by its exposed structure, and by the color of the exterior stucco. The interior plan is composed of a double-loaded corridor at each floor.

Because the Science Building was present in 1968 during the Blowouts, it is recommended under Criteria A/1 as a contributor to a historic district under the theme of LAUSD and the Civil Rights Movement, 1954–1980.

Impacts to Historical Resources

Within the historic district, consideration of visual impacts includes changes in views of and within the historic district. Analysis included views of the remaining contributors that might be obscured by the proposed new building that will replace the Library/Classroom Building. Views of the historic district from Fraser Avenue and East Sixth Street, among the areas where the Blowouts took place, will change with the demolition of the Parking Garage/Classroom Building and the construction of the new building. Although viewshed is not a character-defining feature of the historic district, the new building has the potential to affect the setting of the resource. Adverse atmospheric or auditory impacts are not anticipated, or such impacts will be temporary during construction. The scope of work items has not been determined, but those items with the most potential to affect historical resources include use of heavy equipment during construction (temporary vibration impacts) and design of the Project (potential for adverse visual effects). No details were provided on machinery planned for demolition or construction, nor was a vibration assessment provided. Given the relative distance of the identified historic resources to the Project, it is not anticipated that any historical resources within the historic district will be damaged due to vibration impacts. As such, the Project will not result in adverse vibration impacts.

The Project calls for demolition of Parking Garage/Building D, which is not individually significant and it has a lower tertiary rating as a contributor. The demolition of the building does constitute a potentially adverse impact to the historic district because it would reduce the number of contributors to the historic district from 11 to 10. However, the majority of the contributors would remain, including the single primary contributor and all four secondary contributors. Although the building is a physical and visual component of the campus and the historic district, due to its location at the southwest corner of the district, its loss would not be as disruptive to the cohesion of the district as would the loss of a more central contributor. The demolition of Parking Garage/Building D would not result in the loss of eligibility of the historic district as a whole, but will have a minor impact on the significance of the historical resource.

The Project would retain the Science Building, which is a tertiary contributor to the Garfield High School Historic District but not individually significant. The Project would result in the removal of the bridge connecting the Science Building to the Library/Classroom building to the west. The Science Building has been considerably altered over the years, including the addition of the bridge in 1975, when the Library/Classroom Building was constructed (after the end of the period of significance for the historic district). At that time, the envelope of the Science Building was cut to accommodate the bridge. The opening providing access to the bridge and the loss of original materials have already altered the building without affecting its eligibility as a contributor to the historic district (Figures 9 and 10). Although Project plans are not finalized, further alterations that will be required to close or revise the openings will not be likely to affect its character-defining features, as listed in Table 2, the opening will follow Standard Number 6 for *Rehabilitation* and be enclosed with materials that “match the old in design, color, texture” and therefore would not affect its eligibility as a contributor and would not result in the loss of significance of the historic district.

The Project does not fully comply with the Standards numbers 9 and 10 as the new construction will result in the removal of a contributing building and therefore diminish some of the historic materials, features, and spatial relationships that characterize the historic district. However, the Project complies with these Standards, as the adjacent new work will be differentiated from the remaining contributors. Architectural plans have not been prepared for the proposed building, and based on the broad description, it cannot be determined that it will be compatible with the historic materials and features of the contributors. However, the description indicates the building will be sufficiently compatible in terms of size, scale and proportion, and massing to avoid detracting from the historic district.

Following the specified Project Design Criteria (LAUSD 2023), the replacement of the Library/Classroom Building with a new building would not adversely impact the significance of the district. As specified in the Project Design Criteria, the new building shall not be more than four stories in height to avoid dominating the adjacent contributing buildings, which are two or three stories tall (Section 9.3.2). Further ensuring that the Project will result in less-than-significant impacts to the historic district, the Project Design Criteria also state that the new building "shall retain the same approximate distances and setbacks from 6th Street as well as in relation to surrounding campus buildings so that the new construction does not obstruct any important views to or from contributing buildings within the historic district" (Section 9.3.3).

FINDINGS

This CRTR has determined that one eligible historical resource, the Garfield High School Historic District, is located within the direct API that has the potential to be affected by the proposed Project. The design of the new building to be located in the boundaries of the historic district will follow LAUSD Project Design Criteria. Alterations to the Science Building will comply with the *SOI Standards*. However, as the Project results in significant direct adverse impacts to a tertiary contributor on the edge of the historic district, LAUSD intends to conduct mitigation measures to ensure the Project results in less than significant impact to the historical resource per Section 21084.1.

RECOMMENDED MITIGATION

Construction of the Project, as proposed, would cause significant direct impacts to the Parking Garage/Classroom D, which is a contributor to the Garfield High School Historic District. CEQA generally considers historical resource impacts to be fully mitigated if the Project conforms to *SOI Standards*. If Project redesign is not feasible to conform to the *SOI Standards*, mitigation measures to reduce the impact to less than significant have been identified and can be implemented in accordance with CEQA. The following mitigation measures are recommended:

- **Historical resource documentation, Garfield High School Major Modernization Project.** A qualified historian or architectural historian who meets the SOI's *Professional Qualifications Standards* shall prepare HABS-like historic documentation for the historical resource slated for demolition. The HABS-like package will document in photographs as well as descriptive and historic narrative the historical resource slated for demolition. Documentation prepared for the package will draw on available primary- and secondary-source research as well as available studies previously prepared for the project.

  The HABS-like documentation package will incorporate available architectural drawings on file with the Los Angeles Unified School District. New measured drawings shall not be required for the project.

  The specifications for the HABS-like documentation package follow:

  The Package shall include photographs and descriptive narrative. Documentation will draw upon primary- and secondary-source research including available studies prepared for the property (measured drawings are not required). The specifications for the Package include:

  Photographs: Photographic documentation shall focus on the historical resources/features proposed to be significantly altered or demolished, with overview and context photographs for the campus and adjacent setting. A professional-quality camera will be used to take photographs of interior and exterior features of the buildings. Photographs will include context views, elevations/exteriors, architectural details, overall interiors, and interior details (if warranted). Digital photographs will be in black and white (as well as in color or as requested by the District) and provided in an electronic format.

  Descriptive and Historic Narrative: The Historian or Architectural Historian shall prepare descriptive and historic narrative of the historical resources/features. Physical descriptions will detail each resource, elevation by elevation, with accompanying photographs and information on how the resource fits within the broader campus during its period of significance. The historic narrative will include available information on the campus design, history, architect/contractor/ designer as appropriate, history of the area, and historic context. In addition, the narrative will include a methodology section specifying the name of researcher, date of research, and sources/archives visited, as well as a bibliography. Within the written history, statements shall be footnoted as to their sources, where appropriate.

  Historic Documentation Package Submittal: Upon completion of the descriptive and historic narrative, all materials will be compiled in electronic format and presented to LAUSD for review and comment. Upon approval, one electronic copy and one hard copy shall be submitted to LAUSD OEHS. Photographs will be individually labeled and provided to LAUSD in electronic format.

- **Include Historic Architect in design review of the new building.** Following the *Los Angeles Unified School District, Standard Conditions of Approval for District Construction, Upgrade, and Improvement Projects (2023)*, for projects involving structural upgrades to historical resources, the Design Builder shall include a qualified Historic Architect with demonstrated

project-level experience in historic projects. As Garfield HS is a campus with a qualifying historical resource under CEQA, the Design Team shall include a LAUSD-qualified Historic Architect. The Historic Architect/s shall meet the SOI's *Professional Qualifications Standards* and the standards described on page 8 of the *LAUSD Design Guidelines and Treatment Approaches for Historic Schools.* Throughout the project design process the Historic Architect shall provide input to ensure compliance with the *SOI Standards* and LAUSD requirements and guidelines for the treatment of historical resources.

- **Salvage of items/objects.** A number of items and objects are recommended to be salvaged from the two buildings to be demolished (Parking Garage/Classroom D and the Library/Classroom Building). Items shall include murals, both interior and exterior, and decorative objects such as the medallion at the exterior of the Library/Classroom Building (Figures 11 and 12). Appendix C is a detailed list of items/objects to be salvaged as identified by LAUSD.

- **Interpretative Program.** The Design Builder shall include in their scope an interpretive program requirement for CEQA mitigation in Design and Construction planning. The interpretive program at a minimum shall include:

  - *Outdoor Classroom/History Garden.* The Design Builder shall develop an outdoor classroom/history garden that includes the following minimum requirements:

    The garden shall be a minimum of 2,000 square feet in size, intended to be an area where students can collectively gather and learn as a classroom or collaborate in smaller groups surrounded by a natural, planted backdrop. The outdoor classroom shall include permeable pavers, seating for 32 students, and electrical outlets, wifi, and a blackboard.

    Features of the garden are intended to commemorate the events, people, and places associated with Garfield HS, particularly with regard to the school's role in the Blowouts and the Chicano Civil Rights Movement in Los Angeles. At a minimum, the garden shall incorporate interpretive panels and plaques, as described below. These features could be placed throughout campus as well.

    1. *Opportunities to Communicate.* Outdoor spaces shall be designed to encourage the exchange of stories and information pertinent to the historic events that took place on the campus. These spaces shall be open to students, faculty, and campus visitors (including alumni and the general public).

    2. *Interpretive Panels.* The Design Builder shall develop content for interpretive panels to be placed in the History Garden and other locations on campus at Garfield HS, as well as the other East L.A. schools that participated in the Blowouts. Panels should include approximately 200 words of narrative text, as well as maps, photographs, and images that tell the story of the Blowouts. Permanent panels shall be installed in the History Garden, as well as throughout the campus referring to historic events associated with the Blowouts.

Implementation of the mitigation measures discussed above would reduce the impacts to the historical resource (the Garfield High School Historic District) to less than significant. Therefore, the Project would not result in a substantial adverse change to a historical resource pursuant to CEQA Section 21084.1 and CEQA Section 15064.5 (b)(4) (*Determining the Significance of Impacts to Archeological and Historical Resources*).

REFERENCES

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Preservation Officers Regarding the Manner in Which BLM Will Meet Its Responsibilities under the National Historic Preservation Action. State Protocol between the Wyoming Bureau of Land Management State Director and the Wyoming State Historic Preservation Office.

APPENDICES

APPENDIX A

Maps and Figures

Figure 1. Regional location map.

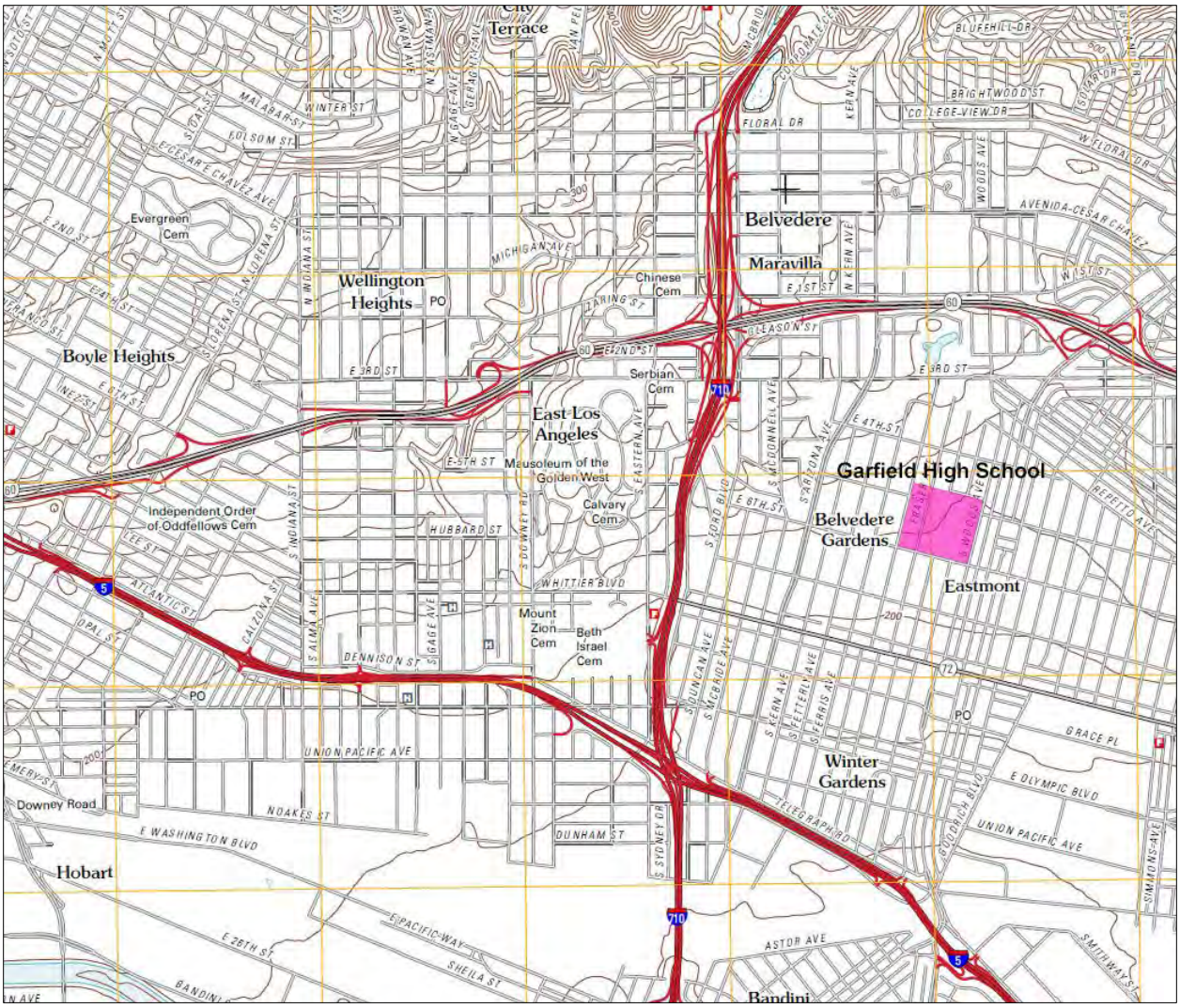

Figure 2. Location of Garfield Senior High School.

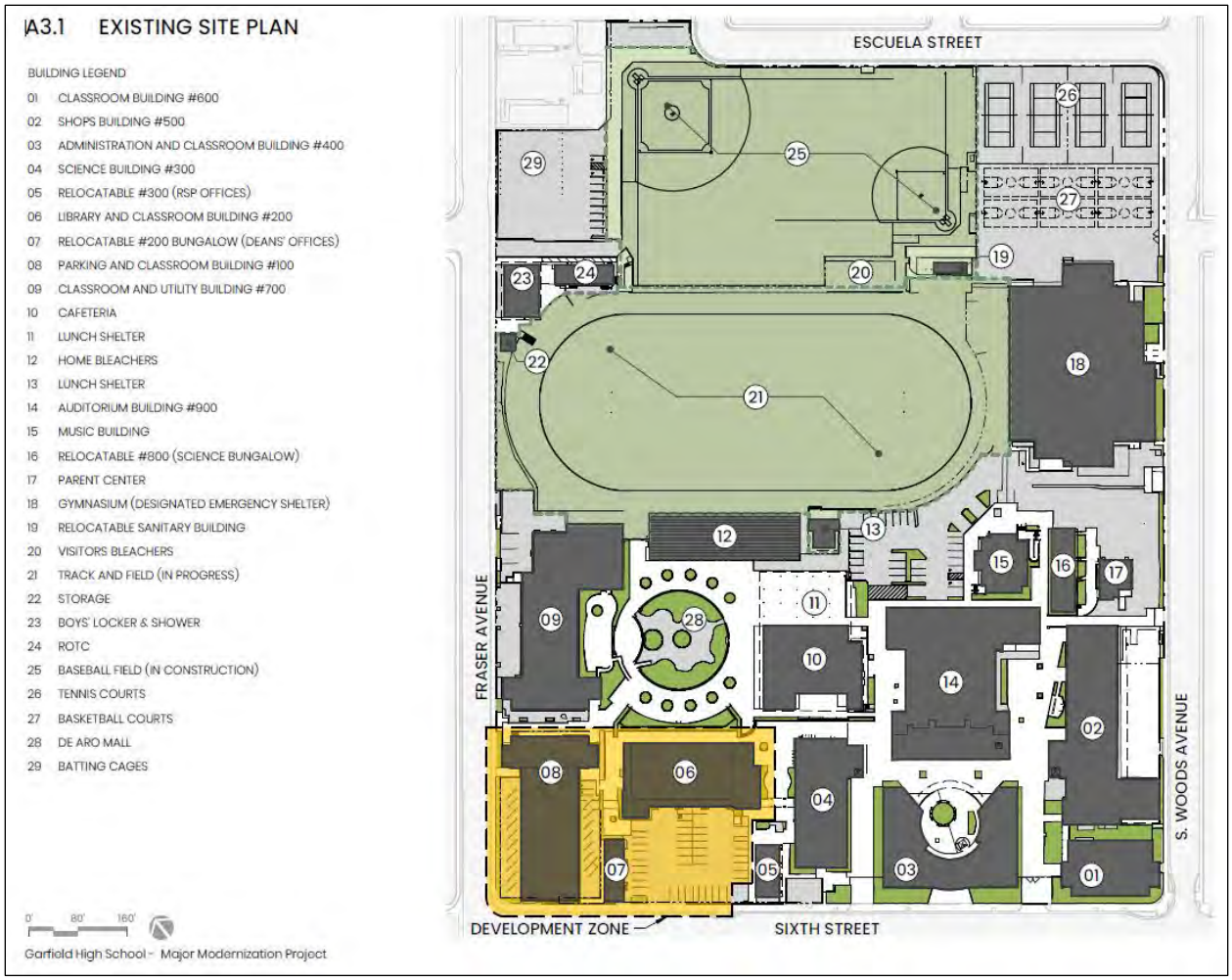

Figure 3. Existing site plan with Project area highlighted in yellow. Source: LAUSD.

Figure 4. Garfield High School Historic District.

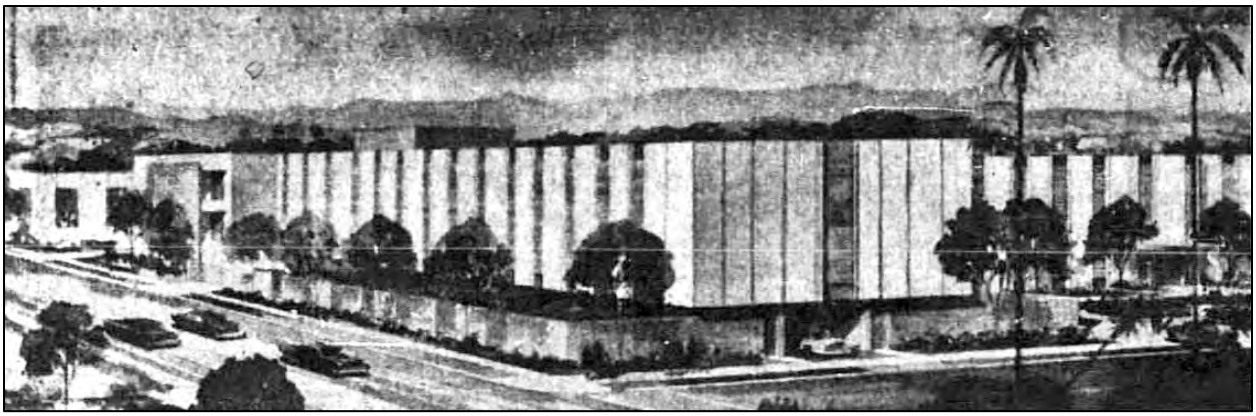

Figure 5. Architectural drawing of the Parking Garage/Classroom D. *Source: Los Angeles Times,* April 15, 1962.

Figure 6. Mural on second floor interior of the Parking Garage/Classroom D, view to the south.

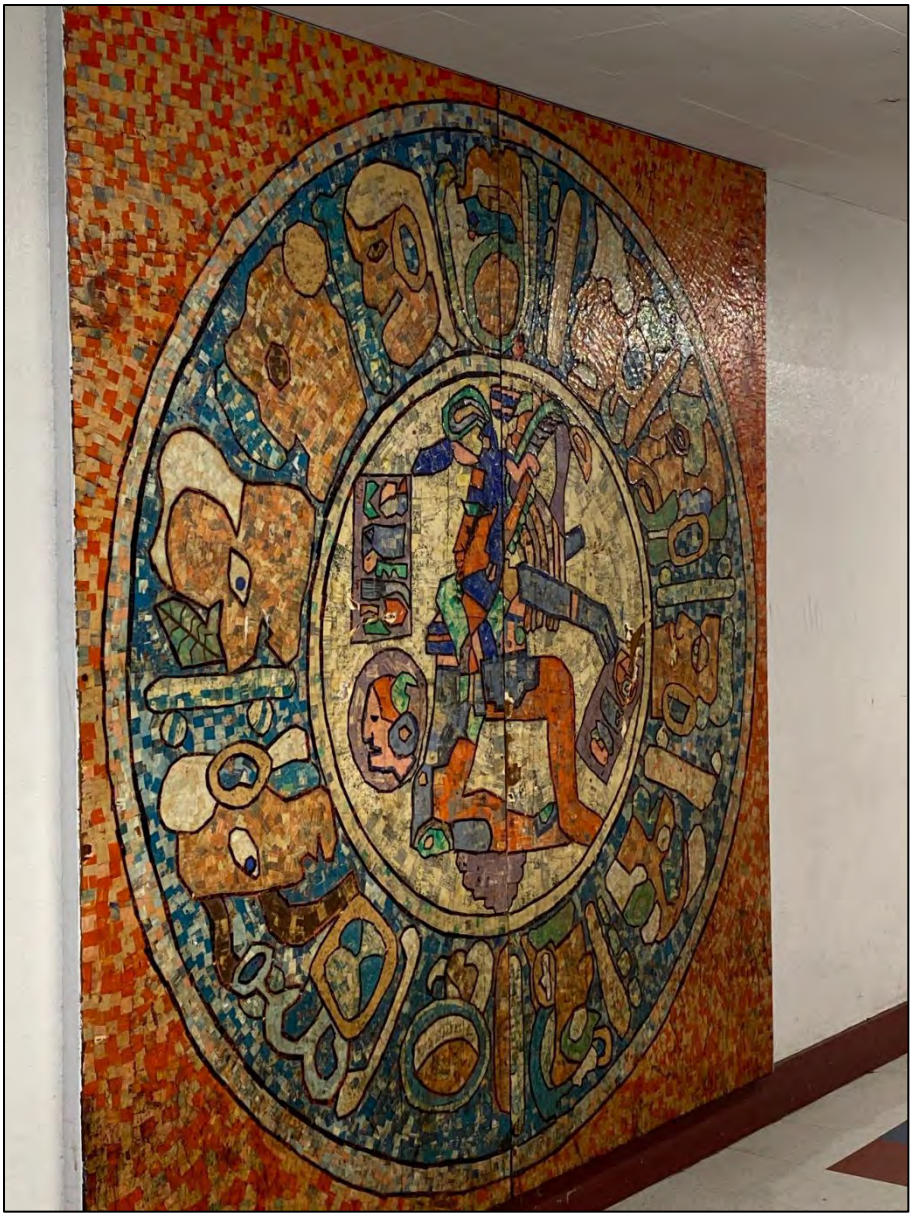

Figure 7. Mural on second floor of the Parking Garage/Classroom D.

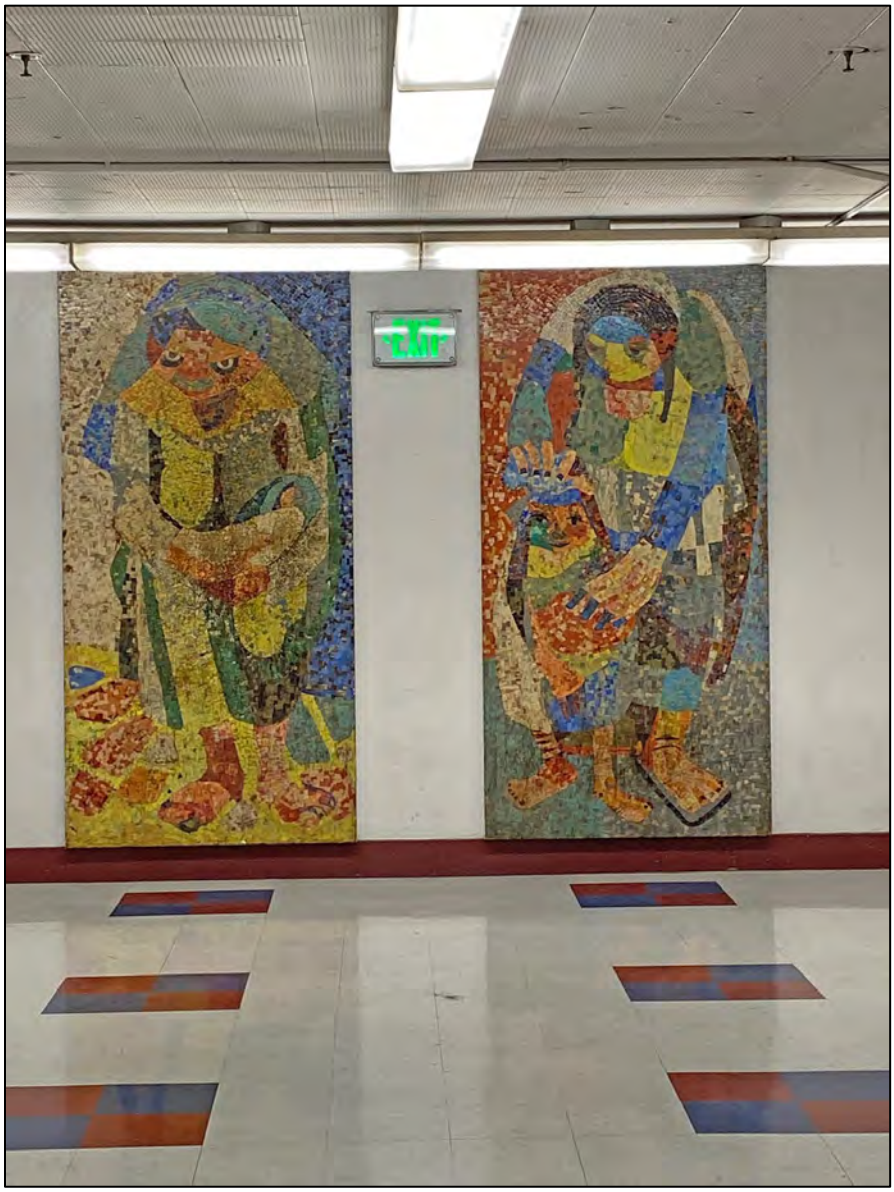

Figure 8. Mural on second floor of the Parking Garage/Classroom D, view to the north.

Figure 9. West façade of the Science Building from the second floor of the arcade, view to the east. The arcade connecting the building to the Library/Classroom Building will be demolished, and the opening in the façade of the Science Building will be altered.

Figure 10. West façade of the Science Building, showing the arcades connecting to the Library/Classroom Building. View to the southeast. The arcades will be demolished along with the Library/Classroom Building in the foreground.

Figure 11. South façade of the Library/Classroom Building, view to the north, showing mosaic medallion.

Figure 12. Mural in interior corridor on the third floor of the Library/Classroom Building.

APPENDIX B

NAHC Outreach

NATIVE AMERICAN HERITAGE COMMISSION

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

August 21, 2023

Christy Wong
Los Angeles Unified School District

Via Email to: cp-christy.wong@lausd.net

Re: Native American Tribal Consultation, Pursuant to the Assembly Bill 52 (AB 52), Amendments to the California Environmental Quality Act (CEQA) (Chapter 532, Statutes of 2014), Public Resources Code Sections 5097.94 (m), 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2 and 21084.3, Major Modernization Projects at 32nd Street/USC Magnet Schools, 49th Street Elementary School, Canoga Park High School, Fairfax High School, Garfield High School, Irving Middle School, and Sylmar Charter High School Project, Los Angeles County

Dear Ms. Wong:

Pursuant to Public Resources Code section 21080.3.1 (c), attached is a consultation list of tribes that are traditionally and culturally affiliated with the geographic area of the above-listed project. Please note that the intent of the AB 52 amendments to CEQA is to avoid and/or mitigate impacts to tribal cultural resources, (Pub. Resources Code §21084.3 (a)) ("Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource.")

Public Resources Code sections 21080.3.1 and 21084.3(c) require CEQA lead agencies to consult with California Native American tribes that have requested notice from such agencies of proposed projects in the geographic area that are traditionally and culturally affiliated with the tribes on projects for which a Notice of Preparation or Notice of Negative Declaration or Mitigated Negative Declaration has been filed on or after July 1, 2015. Specifically, Public Resources Code section 21080.3.1 (d) provides:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section.

The AB 52 amendments to CEQA law does not preclude initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction prior to receiving requests for notification of projects in the tribe's areas of traditional and cultural affiliation. The Native American Heritage Commission (NAHC) recommends, but does not require, early consultation as a best practice to ensure that lead agencies receive sufficient information about cultural resources in a project area to avoid damaging effects to tribal cultural resources.

The NAHC also recommends, but does not require that agencies should also include with their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential effect (APE), such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:

- A listing of any and all known cultural resources that have already been recorded on or adjacent to the APE, such as known archaeological sites;
- Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
- Whether the records search indicates a low, moderate, or high probability that unrecorded cultural resources are located in the APE; and
- If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.

2. The results of any archaeological inventory survey that was conducted, including:

- Any report that may contain site forms, site significance, and suggested mitigation measures.

  All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code section 6254.10.

3. The result of any Sacred Lands File (SLF) check conducted through the Native American Heritage Commission. The request form can be found at http://nahc.ca.gov/wp-content/uploads/2015/08/Local-Government-Tribal-Consultation-List-Request-Form-Update.pdf

4. Any ethnographic studies conducted for any area including all or part of the APE; and

5. Any geotechnical reports regarding all or part of the APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS are not exhaustive and a negative response to these searches does not preclude the existence of a tribal cultural resource. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the event that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our consultation list remains current.

If you have any questions, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
Los Angeles County
8/21/2023

Tribe Name	Fed (F) Non-Fed (N)	Contact Person	Contact Address	Phone #	Fax #	Email Address	Cultural Affiliation	Counties	Last Updated
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Gabrieleno Band of Mission Indians - Kizh Nation	N	Christina Swindall Martinez, Secretary	P.O. Box 393 Covina, CA, 91723	(844) 390-0787		admin@gabrielenoindians.org	Gabrieleno	Los Angeles,Orange,Riverside,San Bernardino,Santa Barbara,Ventura	8/18/2023
Gabrieleno Band of Mission Indians - Kizh Nation	N	Andrew Salas, Chairperson	P.O. Box 393 Covina, CA, 91723	(844) 390-0787		admin@gabrielenoindians.org	Gabrieleno	Los Angeles,Orange,Riverside,San Bernardino,Santa Barbara,Ventura	8/18/2023
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Gabrielino /Tongva Nation	N	Sandonne Goad, Chairperson	106 1/2 Judge John Aiso St., #231 Los Angeles, CA, 90012	(951) 807-0479		sgoad@gabrielino-tongva.com	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Ventura	3/28/2023
Gabrielino Tongva Indians of California Tribal Council	N	Robert Dorame, Chairperson	P.O. Box 490 Bellflower, CA, 90707	(562) 761-6417	(562) 761-6417	gtongva@gmail.com	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Santa Barbara,Ventura	3/16/2023
Gabrielino Tongva Indians of California Tribal Council	N	Christina Conley, Cultural Resource Administrator	P.O. Box 941078 Simi Valley, CA, 93094	(626) 407-8761		christina.marsden@alumni.usc.edu	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Santa Barbara,Ventura	3/16/2023
Gabrielino-Tongva Tribe	N	Charles Alvarez, Chairperson	23454 Vanowen Street West Hills, CA, 91307	(310) 403-6048		Chavez1956metro@gmail.com	Gabrielino	Los Angeles,Orange,Riverside,San Bernardino,Ventura	5/30/2023
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Santa Rosa Band of Cahuilla Indians	F	Lovina Redner, Tribal Chair	P.O. Box 391820 Anza, CA, 92539	(951) 659-2700	(951) 659-2228	lsaul@santarosa-nsn.gov	Cahuilla	Imperial,Los Angeles,Orange,Riverside,San Bernardino,San Diego	
Santa Ynez Band of Chumash Indians	F	Wendy Teeter, Cultural Resources Archaeologist	100 Via Juana Road Santa Ynez, CA, 93460	(805) 325-8630		wteeter@chumash.gov	Chumash	Kern,Los Angeles,San Luis Obispo,Santa Barbara,Ventura	7/6/2023
Santa Ynez Band of Chumash Indians	F	Kelsie Shroll, Elders' Council Administrative Assistant	100 Via Juana Road Santa Ynez, CA, 93460	(805) 245-5403		kshroll@chumash.gov	Chumash	Kern,Los Angeles,San Luis Obispo,Santa Barbara,Ventura	7/6/2023
Santa Ynez Band of Chumash Indians	F	Sam Cohen, Government & Legal Affairs Director	100 Via Juana Road Santa Ynez, CA, 93460			scohen@chumash.gov	Chumash	Kern,Los Angeles,San Luis Obispo,Santa Barbara,Ventura	7/6/2023
Santa Ynez Band of Chumash Indians	F	Nakia Zavalla, Tribal Historic Preservation Officer	100 Via Juana Road Santa Ynez, CA, 93460			nzavalla@chumash.gov	Chumash	Kern,Los Angeles,San Luis Obispo,Santa Barbara,Ventura	7/6/2023
Soboba Band of Luiseno Indians	F	Jessica Valdez, Cultural Resource Specialist	P.O. Box 487 San Jacinto, CA, 92581	(951) 663-6261	(951) 654-4198	jvaldez@soboba-nsn.gov	Cahuilla Luiseno	Imperial,Los Angeles,Orange,Riverside,San Bernardino,San Diego	7/14/2023
Soboba Band of Luiseno Indians	F	Joseph Ontiveros, Tribal Historic Preservation Officer	P.O. Box 487 San Jacinto, CA, 92581	(951) 663-5279	(951) 654-4198	jontiveros@soboba-nsn.gov	Cahuilla Luiseno	Imperial,Los Angeles,Orange,Riverside,San Bernardino,San Diego	7/14/2023

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and section 5097.98 of th Resources Code.

Record: PROJ-2023-004168
Report Type: AB52 GIS
Counties: Los Angeles
NAHC Group: All

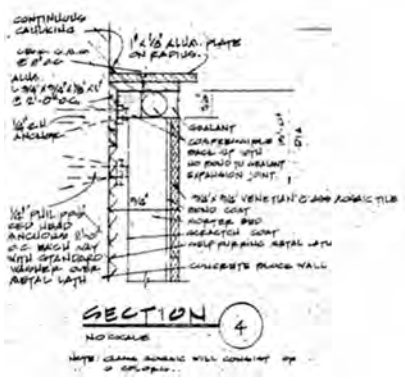
This list is only applicable for consultation with Native American tribes under Public Resources Code Sections 21080.3.1 for the proposed Major Modernization Projects at 32nd Street/USC Magnet Schools, 49th Street Elementary School, Canoga Park High Schoo

APPENDIX C

Cultural Salvage Inventory

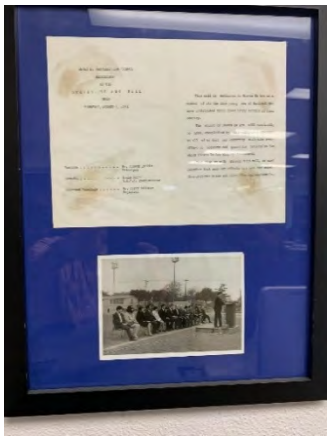
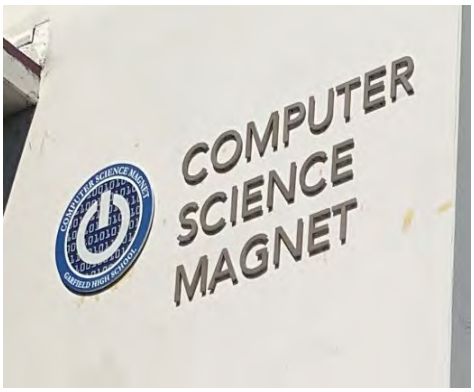
9.4 Cultural Salvage Inventory

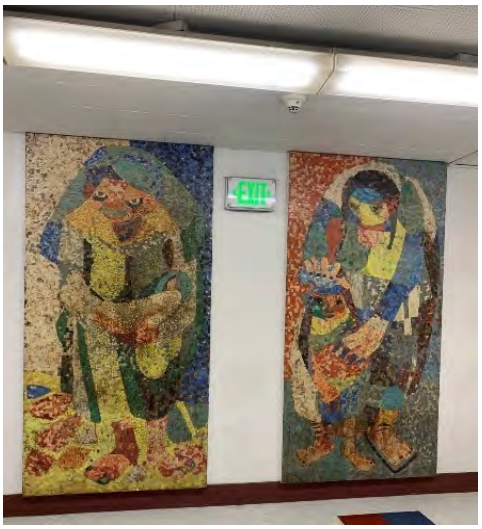
Refer to Exhibit C9.1.

#	Location	Description	Treatment	Photograph(s)
S1	Library/Classroom Building, Building #200 (Exterior)	Exterior Glass Mosaic	Remove/salvage/deliver to LAUSD the mosaic by cutting the surrounding CMU wall and removing the wall along with the mosaic. If salvaging the mosaic is not feasible, document the mosaic prior to demolition through photographs and measurements in order to accurately recreate it.	 
S2	Beneath Bridge Connecting Library/Classroom Building (Building #200) and Science Building (Building #300)	Time Capsule	Demolition and excavation should be carefully performed and monitored for potential disturbance and/or exposure of the time capsule	

#	Location	Description	Treatment	Photograph(s)
S3	Library/Classroom Building, Building #200 (Interior)	Wood Plaque	Salvage and deliver to LAUSD.	
S4	Library/Classroom Building, Building #200 (Interior)	Display Case	Salvage and deliver to LAUSD.	
S5	Library/Classroom Building, Building #200 (Interior)	Library Furniture Shelf	Salvage and deliver to LAUSD.	
S6	Library/Classroom Building, Building #200 (Interior)	Alice A. Reiterman Plaque	Salvage and deliver to LAUSD.	

#	Location	Description	Treatment	Photograph(s)
S7	Library/Classroom Building, Building #200 (Interior)	Display Case	Salvage and deliver to LAUSD.	
S8	Library/Classroom Building, Building #200 (Interior)	Library Desk and Lecturn	Salvage and deliver to LAUSD.	 

#	Location	Description	Treatment	Photograph(s)
S9	Library/Classroom Building, Building #200 (Interior)	Photographs/ Memorabilia, Dedication of Steven De Aro Mall	Salvage and deliver to LAUSD.	
S10	Parking Garage/ Classroom D Building, Building #100 (Exterior)	Computer Science Magnet Emblem	Salvage and deliver to LAUSD.	
S11	Parking Garage/ Classroom D Building, Building #100 (Interior)	Interior painted wall mural [Artist: Raul Rios}	Photo document prior to building demolition.	

#	Location	Description	Treatment	Photograph(s)
S12	Parking Garage/ Classroom D Building, Building #100 (Interior)	Interior mosaic (2 panels): MS027 [Mother Holding Baby], MS028 [Woman and Child]	Salvage and deliver to LAUSD.	
S13	Parking Garage/ Classroom D Building, Building #100 (Interior)	Interior mosaic (1 panel): MS024 [Aztec Figure]	Salvage and deliver to LAUSD.	
S14	Parking Garage/ Classroom D Building, Building #100 (Interior)	Interior mosaic (2 panels): MS025 [Figure with Headdress, Spear and Shield], MS026 [Musician with Acoustic Guitar]	Salvage and deliver to LAUSD.	

#	Location	Description	Treatment	Photograph(s)
S15	Parking Garage/ Classroom D Building, Building #100 (Interior)	Exit Sign	Salvage and deliver to LAUSD.	

PRELIMINARY GEOTECHNICAL REPORT
CAMPUS MODERNIZATION PROJECT

Garfield High School
5101 E. 6th St., Los Angeles, CA 90022
Los Angeles, California

Prepared for:

LOS ANGELES UNIFIED SCHOOL DISTRICT
333 South Beaudry Avenue, 22nd Floor
Los Angeles, CA 90017

Prepared by:

GROUP DELTA CONSULTANTS, INC.
370 Amapola Avenue, Suite 212
Torrance, California 90501

Group Delta Project No. LA-1553

November 10, 2022

GROUP DELTA

Los Angeles Unified School District
333 South Beaudry Avenue, 22nd Floor
Los Angeles, CA 90017

November 10, 2022
Group Delta Project No. LA-1553

Attention: Mr. Peyman Soroosh Moghadam
Supervising Structural Engineer

Subject: Preliminary Geotechnical Report
Campus Modernization Project
Garfield High School
5101 E 6th Street, Los Angeles, California

Dear Mr. Moghadam:

Group Delta Consultants, Inc. (Group Delta) is pleased to submit this preliminary geotechnical report for the campus modernization project planned for the Garfield High School at 5101 E 6th St., Los Angeles, California. Our scope of work was conducted in general accordance with our proposal dated November 4, 2021 and the LAUSD Task Order #048 which was issued on November 18, 2021.

We appreciate this opportunity to provide geotechnical and geologic services for your project. If you have any questions pertaining to this report, or if we can be of further service, please do not hesitate to contact us.

Sincerely,

GROUP DELTA CONSULTANTS, INC.

REGISTERED PROFESSIONAL ENGINEER
ETHAN TSAI
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PRELIMINARY GEOTECHNICAL REPORT
CAMPUS MODERNIZATION PROJECT
GARFIELD HIGH SCHOOL
5101 E 6TH STREET, LOS ANGELES, CALIFORNIA

1.0 INTRODUCTION

1.1 General

This Preliminary Geotechnical Report has been prepared for the proposed campus modernization project at Garfield High School, in Los Angeles, California. We present the findings of our geotechnical investigation as well as our preliminary recommendations for the project.

The general location of the school campus is shown on the Site Vicinity Map in Figure 1. The campus, existing structures, and the locations of our recent and previous exploratory borings/CPTs are shown in Figure 2.

1.2 Project Description

The project is currently in a preliminary planning stage. Conceptually, the project will include modernization and retrofit of the campus buildings and/or construction of new buildings.

The purpose of the Preliminary Geotechnical Investigation is to identify the general geotechnical conditions within the campus and provide preliminary recommendations for planning the overall project. At a later date, a final comprehensive geotechnical report will be required based on the approved final schematic design.

1.3 Scope of Work

Our scope of work included the following:

- Review available published geologic and geotechnical reports, and geologic publications and maps pertaining to the site and surrounding area.
- Permitting
- Conduct a geotechnical field investigation to investigate the subsurface conditions at the site, which consisted of drilling five (5) hollow stem auger (HSA) borings to a depth of 30 to 60 feet, and advancing five (5) Cone Penetration Test (CPT) soundings a depth of 60 feet, or refusal.
- Perform laboratory tests on selected soil samples from the geotechnical field investigation to define the subsurface profile and to evaluate the physical properties and engineering characteristics of the soils encountered.
- Corrosion testing, and preparation of a corrosion protection report, by HDR, Corrosion Engineers.

- A geologic-seismic hazards evaluation to satisfy the requirements of Title 24 of the California Code of Regulations and guidelines outlined by the California Geological Survey.
- Perform site-specific response spectra in accordance with the requirement for ASCE 41-17 for voluntary seismic retrofit of the existing structures, and with the requirement for ASCE 7-16 for seismic design for new structures.
- Use the geotechnical data to develop preliminary geotechnical design recommendations.
- Prepare a preliminary geotechnical report presenting the data collected, our findings, and preliminary design recommendations including design of multiple new foundations (spread footings, mat foundations, piles, pole foundations, etc.), preliminary recommendations for evaluating the existing foundations, including ultimate bearing capacities and preliminary estimated foundation stiffness, preliminary recommendations for the design of retaining walls, pavement, floor slab support, and hardscapes, preliminary recommendations for shoring, utility trenching and backfilling, and a discussion on the feasibility of infiltration within the campus based on soil characteristics.

2.0 GEOLOGY AND SEISMIC SETTING

2.1 Regional Geology

The site is located within the seismically active Los Angeles Basin area of southern California. The basin formed over 7 million years ago during transtensional tectonism between northwest and east-west trending fault systems (Wright, 1991). Today, the basin is undergoing transpressional stress, bound by surrounding uplifting thrust blocks including the Puente Hills and Elysian Park faults locally. Internally, the basin is filled with sedimentation thousands of feet thick. Strike slip faults including the Elsinore and Newport-Inglewood faults locally, divide the basin into northwest trending valleys and ridges (Dolan, et al., 1995). The location to the site with respect to regional geology is presented in Figure 4 Regional Geologic Map.

2.2 Local Geology

The site is the eastern margin of the Los Angeles Basin. The Repetto Hills outcrop to the northeast and local alluvial fans blanket the area. The site is situated within the locally trending southwest alluvial fans, recently dissected by younger alluvium. The alluvial is 10's of feet thick below the site. The Los Angeles River trends south about 4 miles west of the site, confined within a concrete lined channel. The Puente Hills Blind Thrust Fault dips gently to the northeast below the site at depth.

2.3 Seismic Setting

2.3.1 Seismic Faults

Within Los Angeles Basin there are hundreds to thousands of faults. Faults displaying displacement within the Holocene time (11,700 years) are considered to have a higher potential for future seismic events and are categorized as active faults. Active strike slip, normal, and thrust faults, which are typically well defined at the surface, are considered a source of future surface fault rupture. Active blind thrust faults do not extend to the ground surface and are not considered a source of surface fault rupture hazard.

The site is situated centrally within the belt of blind thrusts faults known as Elysian Park and Puente Hills. The blind fault belt consists of a series of northwest trending, below surface faults which dip shallowly (about 27 degrees) to the northeast (Shaw, 2002). The Lower Elysian Park thrust is about 2.5 miles southwest and the Upper Elysian Park thrust is about 2.5 miles to the northeast of the site, Figure 5. The site may have hanging wall effect impacts during a significant seismic event on the Puente Hills Fault. Hanging wall effects can include surface deflection or folding. During the Northridge earthquake in 1994, displacement cracks opened up and fractured surficially within the hanging wall of the Northridge Hills Fault near the surface projection of the quake epicenter (Stein & Lin, 2006). The surface cracks and faulting was due to the ground

conditions within alluvial type regimes and liquefaction susceptibility. A potential M6.7 is estimated for the Puente Hills Blind Thrust.

The Whittier segment of the Elsinore fault zone is located about 4.7 miles east of the site, trending northwest over 100 miles in length. It is a right lateral strike slip fault estimated to have a M6.9 earthquake potential. The Newport Inglewood Fault Zone is located about 10 miles west of the site, trending northwest over 45 miles in length. It is an estimated right lateral normal fault with a M7.2 earthquake potential (Dawson & Weldon, 2012). The Raymond Fault is located about 6.7 miles north of the site, trending east-west. It is estimated to be a left lateral fault segment of the Santa Monica-Hollywood-Raymond fault system and is estimated to have a M6.7 earthquake potential.

The San Andreas Fault is the most significant seismically active fault in the region. It stretches over 800 miles across the state of California and represents the boundary of the North American Tectonic Plate and the Pacific Tectonic Plate. It is over 30 miles east of the site, and considered capable of M7.9 earthquakes with an estimated slip-rate of 12.8 mm/yr in the southern Mojave section. Historical earthquakes of M7.0 and greater have been recorded on the San Andreas Fault, including the estimated M7.9 Fort Tejon Earthquake in 1857.

2.3.2 Seismic History

Local historical earthquakes recorded within a 100 km radius of the site from 1855 to present include 351 recorded events with magnitude (M) 4.0 or greater (USGS Earthquake Catalog accessed February 3, 2022). Of the 351 events, eight were M6.0 and greater and include the 1971 M6.6 San Fernando Earthquake and the 1994 M6.7 Northridge Earthquake. Thirty-nine recorded events were M5.0 to M6.0 earthquakes. While not within the search radius, earthquakes of M7.0 and greater have been recorded in southern California. A M7.5 earthquake occurred in 1952 located about 80 miles north of the site and a M7.3 earthquake in 1992 was located about 100 miles east of the site. Following the Newport-Inglewood Fault M6.7 Earthquake in 1933, there was significant earthquake damage to buildings and the campus was rebuilt. No other earthquake related damage or impacts to the campus are known. Construction in this area should be designed with accepted engineering practices and in compliance with current building codes that accommodate strong seismic ground motion.

3.0 FIELD INVESTIGATION AND LABORATORY TESTING

3.1 Current Geotechnical Field Investigation

Group Delta conducted a geotechnical field investigation to assess the subsurface conditions at the project site on January 6th, and January 7th, 2022. The field investigation consisted of the following:

- Three (3) hollow-stem auger borings (B-1, B-2, and B-5) to depths of 50 to 60 feet;
- Two (2) hollow-stem auger borings (B-3 and B-4) to depths of 30 feet;
- One (1) hand auger boring (B-6) to a depth of 10 feet; and
- Five (5) cone penetrations test (CPT) soundings (CPT-01, CPT-02, CPT-03, CPT-04, and CPT-05) to 60 feet below grade, or refusal.

Our current and previous exploration locations are shown in Figure 2.

The explorations were performed under the continuous technical supervision of our field engineer, who maintained detailed logs of the soils encountered, classified the materials, and assisted in obtaining soil samples. Relatively undisturbed samples were taken in the borings at about 5-foot depth intervals. Standard Penetration Tests (SPT) and representative bulk samples were also taken. Additional details of the field exploration program, including copies of the boring and CPT logs, are presented in Appendix A.

3.2 Current Laboratory Testing Program

Laboratory tests were performed on selected soil samples collected during our field investigation. The purpose of the laboratory tests was to classify soil samples and evaluate their physical properties and engineering characteristics. Laboratory testing included the following:

- Moisture Content and Dry Unit Weight;
- Atterberg Limits
- Consolidation
- Direct Shear
- Percent Passing No. 200 Sieve;
- Corrosion (pH, Sulfate, Chloride, Minimum Resistivity);
- Expansion Index;
- R-Value.

All testing was done in general accordance with applicable ASTM specifications. Details of the laboratory testing program and test results are presented in Appendix B.

3.3 Previous Field Investigations and Laboratory Testing

Group Delta has performed several investigations at Garfield High School in the past. These previous investigations included geotechnical investigations for the New Auditorium and Main building in 2009, and 2010, a geotechnical investigation for modular buildings in 2010, and geotechnical investigations for paving and site works in 2019, and 2020.

The previous field investigation borings and CPTs, and laboratory testing results were used to supplement our current investigation, and geotechnical recommendations for the school campus. The locations of our previous exploration are also shown in Figure 2.

Boring and CPT logs, and the results of our previous laboratory testing are included in Appendix C.

4.0 SITE CONDITIONS

4.1 Surface Conditions

The campus is bordered to the north by Escuela Street, to the south by East 6th Street, to the west by Fraser Avenue, and by South Woods Avenue to the east, as shown in Figure 2. The campus is approximately 19.3 acres and is currently comprised of 17 permanent classroom buildings, 4 portable classroom buildings, a gym building, football and baseball fields, tennis courts, and surface parking lots. Some cracks were observed on the existing pavement and hardscapes.

The campus topography gently slopes from west to east, and from north to south, with elevations typically ranging between El. 202 and 221.

4.2 Subsurface Soil Conditions

Generalized geologic cross-sections showing the subsurface conditions encountered in the field explorations are shown in Figures 3.1, 3.2, and 3.3.

Uncertified fill was encountered overlying native alluvium within a depth range of about 2 to 5 feet below grade. Deeper fills may be encountered between borings. The fill generally consisted of stiff clays and sandy silt. Any old fill present should be considered uncertified fill and should be removed and replaced with properly compacted engineered fill.

Native soils consisted of stiff to hard clays and silts to a depth of 10 to 30 feet below grade, underlain by interbedded layers of medium dense to very dense sands, and silty sands, and stiff to hard clays and silts with gravel to the maximum depth of 60 feet explored. The native clayey and silty soils have typical shear strength of 1,500 psf to over 4,000 psf, and the native sandy soils below a depth of 10 to 30 feet have Standard Penetration N-values of about 15 to over 50, and CPT tip resistances between about 100 to 800 tsf.

4.3 Groundwater

During the field exploration program, groundwater was not encountered to the maximum depth explored of 60 feet below existing grade. The Seismic Hazard Zone Report for the Los Angeles 7.5-Minute Quadrangle (CGS, 1998) indicates the highest groundwater level at the site is about 100 feet, below ground surface.

5.0 GEOLOGICAL HAZARD EVALUATION AND SEISMIC DESIGN

The geologic hazards evaluation for this project addresses requirements of Title 24 of the California Code of Regulations and California Geological Survey Checklist for Review of Geologic/Seismic Reports for California Public Schools, Hospitals, and Essential Services Building (CGS Note 48). A ground motion hazard analysis for the site was also performed in accordance with the 2022 California Building Code/ASCE 7-16 for new buildings, and ASCE 41-17 for existing buildings, as presented in Section 5.

5.1 Surface Fault Ground Rupture

Ground surface rupture potential at the site was evaluated with review of current CGS Fault Activity Map of California (2010), USGS online Fault and Fold database, and Alquist-Priolo (AP) Earthquake Fault Zone Maps in the area. An active fault is defined as a fault with evidence for movement within the Holocene (last 11,700 years). The State regulations considers active faults to have a higher potential for future earthquakes capable of ground surface rupture. No known active faults are mapped crossing the site or projecting towards the site. Therefore, the possibility of ground surface fault rupture at the site is considered low.

5.2 Liquefaction and Seismic Settlement

Liquefaction involves sudden loss in strength of a saturated, cohesionless soil caused by the build-up of pore water pressure during cyclic loading, such as that produced by an earthquake. This increase in pore water pressure can temporarily transform the soil into a fluid mass, resulting in differential settlements and ground deformations. Typically, liquefaction occurs in areas where there are loose soils and the depth to groundwater is less than 50 feet from the surface. Seismic shaking can also cause soil compaction and ground settlement without liquefaction occurring, including settlement of dry sands above the water table.

The site is not located within the State Earthquake Induced Liquefaction Seismic Hazard Zone for the Los Angeles Quadrangle, (Figure 6). The field explorations did not encounter ground water to the maximum depth of 60 feet explored. The historical high groundwater level at the site is about 100 feet below ground surface. Therefore, the potential of liquefaction-induced seismic settlement is low.

5.3 Lateral Spreading

Lateral spreading is characterized primarily by lateral movement of surficial soil layers of gently to steeply sloping saturated soil deposits as a consequence of liquefaction of a subsurface granular deposit. The site is situated within a relatively level alluvial plain. The closest significant body of water is the Los Angeles River, located about 4 miles west of the site. Here the river is directed through a concrete lined channel. Groundwater level at the site is generally below the

channel floor, and the channel slopes are unsaturated. The potential hazard for lateral spreading at the site is considered low.

5.4 Landslides and Slope Stability

The project site is situated within a broad alluvial plain. Surrounding lots are relatively level. There are no significant slopes that can present a landslide hazard at or near the site. The site gently slopes from west to east and north to south with elevations in the range 202 to 221 across the site. Therefore, the potential hazard for landslides and slope instability is not an issue at the campus.

5.5 Flooding and Inundation

The flood hazard potential for the site was evaluated using the ESRI/FEMA web site to determine the Project Impact Hazard Site Map. The ESRI/FEMA classifies the site as being in Zone X, which means the area has a projected average flood water depth of less than 1 foot or that the drainage area is less than 1 square mile or is protected by levees from 100 year floods. The Garfield High campus is also located within an inundation zone included in the L.A. City General Plan. The school campus has positive drainage gradients away from the site. Therefore, the potential for flood hazards should be low for any 100 year or less rain storm.

5.6 Tsunami and Seiche

Low-lying areas along California's coast are subject to potentially dangerous tsunamis. The site is located about 17 miles east from the Pacific Ocean/Los Angeles coast. The Elevation of the site is above 200 feet. Therefore, the potential for a Tsunami is not considered an issue for the site. Since there are no large bodies of water near the site, the potential for a seiche event is also not considered an issue.

5.7 Soil Expansion and Collapse

Boring and CPT data indicates the soil is not susceptible to potential collapse. An expansion index performed on a near surface sample from our current investigation indicates a low expansion potential, with an Expansion Index of 40. However, laboratory tests from Group Delta's previous investigations indicate that the near surface clayey fill soils have a medium to high expansion potential, with expansion indices ranging from 51 to 100. Based on the clayey nature of the near surface soils, highly expansive soils may be encountered throughout the campus. The potential impacts of expansive soils can be mitigated through proper consideration during engineering design.

The results of the laboratory testing from our current and previous investigations are presented in Appendix B, and C, respectively.

5.8 Soil Corrosivity

Corrosivity testing was evaluated in three representative samples from our field investigation in borings B-1, B-3, and B-5 at 0-5 feet depth. The results of corrosion testing, and recommendations for corrosion protection are provided in a Soil Corrosivity Study report by our hired corrosion consultant, HDR. Based on the Soil Corrosivity Study report, the tested soils were classified as severely corrosive to ferrous metals, aggressive to copper, and negligible for sulfate attack on concrete. The soil corrosivity study report is presented in Appendix F.

5.9 Methane and Natural Oil and Gas

An online review of the California Division of Oil and Gas Maps (https://maps.conservation.ca.gov/doggr/wellfinder), revealed the nearest oil or gas boring or well to the campus is approximately ½ mile north. The status of that well borehole is reported as plugged. The nearest oil/gas field to the site is Bandini oil/gas field located about ¾ mile to the south of the school campus. The potential for methane hazard at the campus is considered low.

5.10 Other Potential Geologic Hazard Considerations

The site is not in an active volcanic area or in a natural occurring radon-222 gas zone (as documented in USGS Bulletin 1847 and CGS Special Report 182 respectfully). Since bedrock or upper soils do not contain serpentine or tremolite, natural occurring asbestos should not be an issue at the campus.

6.0 SEISMIC GROUND MOTION VALUES

Seismic ground motion values for potential design of new buildings were evaluated at the project site in accordance with 2022 CBC, ASCE 7-16, and its Supplements 1 through 3. Both code-based values, and site-specific design ground motion parameters were developed at the site, as presented in Section 5.1.

Seismic ground motion values for evaluation and voluntary seismic retrofit of existing buildings were analyzed in accordance with ASCE 41-17. Both code-based values, and site-specific design ground motion parameters were developed at the site, as presented in Section 5.2.

6.1 Ground Motion Seismic Parameters per 2022 CBC/ASCE 7-16

Design ground motion parameters were developed in accordance with 2022 CBC/ ASCE7-16 for the proposed project. The site coordinates used in our seismic hazard analysis are: -118.1581 (Longitude) and 34.0266 (Latitude). Site-specific shear wave velocity measurements were performed in seismic CPTs in our investigation for estimation of average shear wave velocities in the upper 100 feet or approximately 30 meters ($V_{s,30}$). The $V_{s,30}$ value at the project site was estimated to be 400 m/s (1,313 ft/s). Therefore, the site may be classified as Site Class C, corresponding to a “Very Dense Soil, and Soft Rock” profile based on the estimated shear wave velocity.

Code-based ground motion design parameters are discussed in Section 5.1.1, and site-specific ground motion design parameters are discussed in Section 5.1.2.

6.1.1 Code-based Ground Motion Design Parameter per ASCE 7-16

The seismic design parameters were calculated using the OSHPD Seismic Design Maps Web Tool (https://seismicmaps.org/) are summarized in Table 1.

Table 1: Seismic Ground Motion Values per ASCE 7-16 (Code-Based)

Latitude: 34.0266 Longitude: -118.1581	
Site Class	C
Seismic Design Category	D
Mapped MCE Spectral Response Acceleration at Short Period (S_s)	1.908g
Mapped MCE Spectral Response Acceleration at Period of 1 Second (S_1)	0.683g
Site Coefficient, F_a	1.2
Site Coefficient, F_v	1.4
Adjusted MCE Spectral Response Acceleration at Short Period (S_{MS})	2.289g(1)
Adjusted MCE Spectral Response Acceleration at Period of 1 Second (S_{M1})	0.956g(2)
Design Earthquake Spectral Response Acceleration at Short Period (S_{DS})	1.526g(1)
Design Earthquake Spectral Response Acceleration at Period of 1 Second (S_{D1})	0.637g(2)
Peak Ground Acceleration Adjusted for Site Class (PGA_M)	0.986g

6.1.2 Site-Specific Ground Motion Seismic Parameters per ASCE 7-16

A site-specific acceleration response spectrum was constructed in accordance with ASCE 7-16 Chapter 21, as described in Appendix C. The summary of the Design Acceleration Parameters is the following:

Table 2: Summery of Code-Based and Site-Specific Design Parameters per ASCE 7-16

Design Parameters	General Seismic Design Parameter (ASCE 7-16 Section 11.4)	Site-Specific Seismic Design Parameters (ASCE 7-16 Section 21.4)
S_s (g)	1.908	-
S_1 (g)	0.683	-
Site Class	C	C
F_a	1.2	-
F_v	1.4	-
S_{MS} (g)	2.289	2.028
S_{M1} (g)	0.956	1.314
S_{DS} (g)	1.526	1.352
S_{D1} (g)	0.637	0.876

The site-specific design spectrum is summarized in the Table 3 and details of site-specific ground motions parameters development are discussed in Appendix D. The site-specific PGA_M was calculated equal to **0.907**(g).

Table 3: Site-Specific Design Spectrum per ASCE 7-16

ASCE 7-16 MCE_R and Design Earthquake		
Period	Design	MCE_R
(sec)	Sa (g)	Sa (g)
0.01	0.597	0.896
0.02	0.664	0.996
0.03	0.752	1.128
0.05	0.927	1.391
0.075	1.146	1.720
0.1	1.221	1.832
0.15	1.320	1.980
0.2	1.416	2.124
0.25	1.475	2.213
0.3	1.502	2.253
0.4	1.411	2.117
0.5	1.310	1.965
0.75	1.061	1.592
1	0.876	1.314
1.5	0.581	0.872
2	0.423	0.635
3	0.272	0.408
4	0.195	0.293
5	0.142	0.213
7.5	0.071	0.107
10	0.041	0.062

6.2 Ground Motion Seismic Parameters per 2022 CEBC/ ASCE 41

Seismic evaluation and design for voluntary seismic retrofit of existing LAUSD buildings are subject to the provisions of ASCE 41. Seismic ground motions values per ASCE 41 are selected based on Target Building Performance Levels, ranging from Collapse Prevention to Life Safety anticipating a higher level of damage to Immediate Occupancy or Operation anticipating a lower threshold for damage.

ASCE 41 defines two sets of seismic hazard levels: one for Basic Performance Objective for Existing Buildings (BPOE) and another for Basic Performance Objective Equivalent to New Building Standards (BPON). The hazards used for BPOE are Basic Safety Earthquake 1 (BSE-1E) and Basic Safety Earthquake 2 (BSE-2E). The hazards used for BPON are Basic Safety Earthquake 1 (BSE-1N) and Basic Safety Earthquake 2 (BSE-2N). BSE-2N is the same as the Maximum Considered Earthquake (MCE_R) in ASCE 7, and BSE-1N is 2/3 of BSE-2N.

Code-based ground motion design parameters are discussed in Section 5.2.1, and site-specific ground motion design parameters are discussed in Section 5.2.2.

6.2.1 Code-based Ground Motion Design Parameter per ASCE 41-17

Site Class C corresponding to a "Very Dense Soil, and Soft Rock" profile was used for the site. Ground Motion Values were calculated using the OSHPD Seismic Design Maps Web Tool (https://seismicmaps.org/) for the following four hazard levels, per the provisions of ASCE 41-17, for Site Class C.

Table 4: Code-Based Seismic Ground Motion Values per ASCE 41-17

Earthquake Hazard Level	Short Period Spectral Acceleration, S_{XS} (g)	Spectral Acceleration at 1 Second, S_{X1} (g)	Peak Ground Acceleration, PGA (g)
BSE-2E, 5% in 50 years	1.731	0.753	0.692
BSE-1E, 20% in 50 years	0.824	0.337	0.330
BSE-2N, MCE_R	2.289	0.956	0.916
BSE-1N, 2/3 x MCE_R	1.526	0.637	0.610

6.2.2 Site-Specific Ground Motion Seismic Parameters per ASCE 41-17

A site-specific acceleration response spectrum was constructed in accordance with ASCE 41-17, as described in Appendix E. The site-specific seismic design parameters for BSE-2E, BSE-1E, BSE-2N, and BSE-1N hazard levels are presented in the table below. The Structural Engineer should evaluate the appropriate seismic criteria for building design.

Table 5: Site-Specific Seismic Design Parameters per ASCE 41-17

Hazard Level	Parameter	Site-Specific Design Value
BSE-1E	S_{XS}	0.864
	S_{X1}	0.459
BSE-2E	S_{XS}	1.622
	S_{X1}	0.956
BSE-1N	S_{XS}	1.352
	S_{X1}	0.876
BSE-2N	S_{XS}	2.028
	S_{X1}	1.314

7.0 DISCUSSION AND RECOMMENDATIONS

7.1 General

At this time improvement plans are conceptual and the proposed architectural and structural details are not available. As noted, prior to the development of final plans, additional geotechnical investigation and a design level comprehensive geotechnical report will be required for the proposed development.

Based on the current findings of our field explorations and engineering analyses, it is our opinion that the site is suitable for the proposed improvements from a geotechnical standpoint. Following demolition of existing improvements as required, site grading should include the removal and replacement of any existing uncertified/unsuitable fill and loose native soils with properly compacted engineered fill.

Geotechnical recommendations for site grading and foundation design are provided in the following sections.

7.2 Demolition

Demolition will be required to remove the existing structures and hardscapes prior to constructing any new buildings. Any void created from the demolition should be properly backfilled to the limits determined by the project geotechnical engineer. Any soils loosened or disturbed during the demolition should also be removed.

7.3 Site Preparations

The existing fill soils are not suitable to support new foundations, pavement, or slab on grade. It should be anticipated that existing fill may be present anywhere on the site and could be locally deep. Any existing fill should be considered to be uncertified and should be removed and replaced with properly compacted fill.

For proper support of the proposed structures, we recommend that existing fill soils within the structure pads, or minimum depth of at least 5 feet below existing grade, which is greater, should be removed and replaced with non-expansive structural fill. The removal should extend a minimum of 5 feet horizontally beyond the building limit, or a distance equal to the depth of excavation, which is greater.

For proper support of the proposed ancillary structures, pavement and hardscape, the upper 2 feet of existing fill soils should be removed and replaced with non-expansive structural fill. The removal should extend a minimum of 2 feet beyond the foundations of ancillary structures, and pavement limits.

The actual limits for removals should be determined by the project geotechnical engineer during grading, based on the actual conditions encountered. The civil engineer should identify the presence and location of all existing utilities in and near the work area. Precautions should be taken to remove, relocate or protect existing utilities, as appropriate.

7.4 Earthwork

All grading should conform to the requirements of the 2022 California Building Code and the general grading recommendations outlined below.

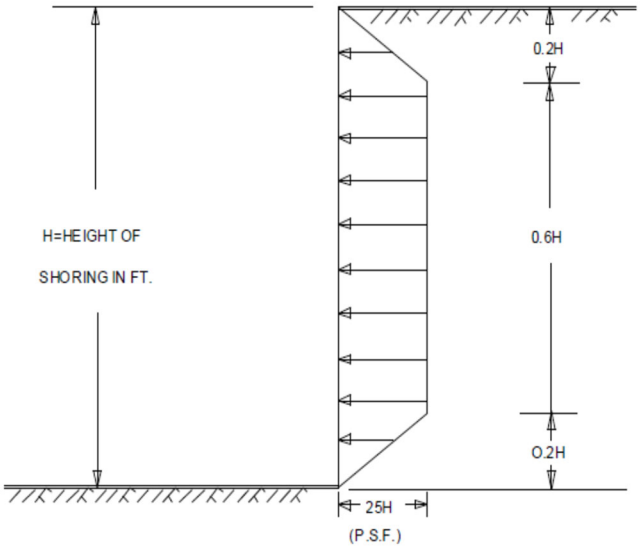
- The contractor is responsible for notifying the project geotechnical engineer of a pre-grading meeting prior to the start of construction and grading operations and anytime that the operations are resumed after an interruption.
- The geotechnical engineer should determine the limits for the removal and recompaction, based on the actual conditions encountered.
- Where excavations are deeper than about 4 feet, the sides of the excavation should be sloped at 1:1 (horizontal:vertical) or flatter, or shoring should be used.
- Unshored excavations should not extend below a plane drawn at 1½:1 (horizontal:vertical) extending downward from adjacent existing footings.
- Permanent slope should be kept at 2:1 (horizontal:vertical) or flater.
- Foundations for structure adjacent to slope should be designed to comply with the setback requirements per Section 1808A.7 of 2022 CBC.
- The bottoms of excavations should be scarified to a depth of 6 inches, brought to a moisture at least 3% above optimum moisture content, and rolled with heavy compaction equipment. At least the upper 6 inches of the exposed soils should be compacted to at least 95% of the maximum dry density obtainable by the ASTM Designation D1557 method of compaction.
- The onsite clayey soils are expansive and should not be used as structural fill.
- If imported soils are used as structural fill, the soils shall be free of vegetation organic materials, expansive clay, debris, or rocks greater than 3 inches in any dimension, and shall be approved by the project Geotechnical Engineer. Imported soils shall have an expansion index of less than 30. All fill soils shall be approved by the project geotechnical engineer before use.
- All structural fills should consist of generally sandy soils, and should be free of expansive clay, rock greater than 3 inches in maximum size, debris and other deleterious materials. All structural fill should be compacted to at least 95 percent of the maximum dry density determined by ASTM D 1557. Fill placed in non-structural and landscape areas should be compacted to at least 90 percent.
- All earthwork and grading should be performed under the observation of the project geotechnical engineer. Compaction testing of the fill soils shall be performed at the discretion of the project geotechnical engineer. At a minimum,

testing should be performed for approximately every 2 feet in fill thickness or 500 cubic yards of fill placed, whichever is more restrictive. If specified compaction is not achieved, additional compactive effort, moisture conditioning, and/or removal and recompaction of the fill soils will be required.

- All materials used for asphalt, concrete and base shall conform to the current "Green Book," and shall be compacted to at least 95 percent relative compaction.

7.5 Shoring

Cantilevered shoring should be designed for an active earth pressure equivalent to a fluid weighing 35 pcf for level ground. Braced shoring should be designed according to the diagram below, with a lateral earth pressure equal to 25H psf, where H is the height of the excavation.



Surcharge loads from the equipment or stockpiled material should be kept behind the top of the shoring a horizontal distance of at least twice the depth of the excavation, or the shoring should be designed for the additional pressure. Foundation and traffic loads from adjacent areas should also be added to the lateral earth pressures. If traffic loading can occur near the top of the shoring, the design height of the shoring should be increased by 2 feet to account for the traffic surcharge. Surface drainage should be controlled and prevented from running down the temporary excavations or down the face of the shoring. Ponding water should not be allowed within the excavation.

Resistance to lateral loading of the shoring piles may be provided by passive pressure of the native soils below the bottom of the excavation. The allowable passive pressure of the native soils may be taken as the pressure developed from an equivalent fluid weight of 300 pcf.

Once shoring system is selected, the detailed recommendations for design shoring will be provided in the design level comprehensive geotechnical report.

7.6 New Shallow Foundation Recommendations

Following proper site grading, the new structures can be supported on conventional shallow footings and a slab on grade established on non-expansive properly compacted fill soils. It may be acceptable to lower the expansion index (EI) of the onsite expansive clayey soils by mixing the onsite soils with import non-expansive soils. If the mixed fill soils have EI between 50 and 90, the foundations and floor slabs may be designed to accommodate soils expansion as discussed in Section 6.10 of this report.

Foundation recommendations are provided below.

7.6.1 Bearing Capacity

Following proper site grading, the proposed structure may be supported on conventional spread footings. Spread footings carried at least 1 foot into the undisturbed natural soils or non-expansive properly compacted fill soils and at least 2 feet below the lowest adjacent grade or floor level may be designed to impose a net dead-plus-live load pressure of 4,000 pounds per square foot. The excavations should be deepened as necessary to extend into satisfactory soils.

Mat foundation underlain by at least 2 feet thick of non-expansive properly compacted fill soils and extending at least 2 feet below the floor slab or lowest adjacent grade may be designed to impose a net dead-plus-live load pressure of 2,000 pounds per square foot.

The allowable bearing pressure may be increased by one-third for temporary loads associated with wind and seismic loading. The recommended bearing value is a net value, and the weight of concrete in the footings can be taken as 50 pounds per cubic foot; the weight of soil backfill can be neglected when determining the downward loads.

Footings for ancillary structures (loading dock walls, minor retaining walls, and free-standing walls) that are structurally separate from the building structure may be designed to impose a net dead-plus-live load pressure of 1,000 pounds per square foot at a depth of 1½ feet below the lowest adjacent grade.

The project geotechnical engineer should perform compaction tests, probing, or use other methods, to verify that the foundations are supported in competent soils. If disturbed, wet, or otherwise unsuitable soils are encountered, or if water saturates the soils, the soils shall be excavated or stabilized as recommended by the project geotechnical engineer.

All foundation excavations should be checked by the project geotechnical engineer before the placement of reinforcing steel. Any loose or soft soils should be excavated and recompacted with structural fill. The limits for the excavation should be determined by the geotechnical engineer.

7.6.2 Settlement

The anticipated structural loads are not currently known. The total settlement of properly designed foundations is estimated to be less than 1 inch. The differential settlement is estimated to be less than ½ inch over a horizontal distance of 30 feet.

7.6.3 Lateral Capacity

Resistance to lateral loads can be provided by friction developed between the bottom of footings and the supporting soil, and by the passive soil pressure developed on the face of the footing. For design purposes, an allowable passive fluid pressure of 300 pcf and a coefficient of friction of 0.3 may be used for lateral sliding resistance of footings. A one-third increase in the passive value can be used for wind or seismic loads. The frictional resistance and the passive resistance of the soils can be combined without reduction in determining the total lateral resistance.

7.6.4 Modulus of Subgrade Reaction

For structural analyses of the long-term behavior of foundations established in the supporting material, a unit vertical modulus of subgrade reaction of 80 pounds per cubic inch may be used. The unit modulus provided herein is for a 1' by 1' footing size. For a larger size of foundation, the modulus of subgrade reaction should be reduced using the following equation.

$$K_s = K_1 \left(\frac{B+1}{2B}\right)^2$$

Where K_s: Foundation Sized Adjusted Modulus of Subgrade Reaction in pci
K_1: Modulus of Subgrade Reaction for 1' by 1' footing size
B: Footing Size in feet

7.6.5 Ultimate Values

The recommended bearing and lateral load design values stated above are for use with loadings determined by a conventional working stress design. When considering an ultimate design approach, the recommended design values shall be multiplied by the following factors:

Design Item	Ultimate Design Factor
Bearing Value	3.0
Modulus of Subgrade Reaction	1.0
Passive Pressure	1.5
Coefficient of Friction	1.5

7.7 Pile Foundations Recommendations

Pile foundations are not anticipated to be required for support of new buildings. However, cast-in-drilled hole (CIDH) pile foundations may be needed for support of light poles, and other similar structures. The sections that follow provided recommendations for CIDH pile foundations.

7.7.1 Axial Pile Capacity

The downward and upward allowable axial capacities of CIDH concrete piles with a diameter of 18, 24 and 30 inches as a function of penetration below bottom of pile cap are presented on Figure 7.1 and 7.2. The pile capacities shown on Figure 7.1 and 7.2 are for dead-plus-live load capacities; a one-third increase may be used for wind or seismic loads. For ultimate design, the capacities shown on Figures 7.1 and 7.2 may be multiplied by a factor of safety of 2.0.

7.7.2 Settlement

We estimate the settlement of pile foundation to be less than ½ inch. The differential settlement between adjacent columns is expected to be ¼ inch or less.

7.7.3 Lateral Capacities

Resistance to lateral loads can be provided by the passive soil pressure developed on the face of the pile caps. For preliminary design purposes, an allowable passive fluid pressure of 300 pcf may be used for lateral resistance of pile caps.

We have computed the lateral capacities of the piles using the computer program LPILE by ENSOFT, Inc. Resistance of the soils adjacent to 18-, 24- and 30-inch-diameter CIDH piles are presented in Figures 8.1 through 8.3. The design parameters for pile lateral capacities are shown in the following tables. These resistances have been calculated for both free- and fixed-head pile condition.

Table 6.1: Lateral Load Design Data for 18-inch Drilled Concrete Pile

	Pile Head Deflection (inches)			
	¼		½	
Pile Head Condition	Free	Fixed	Free	Fixed
Lateral Load (kips)	21	40	29	59
Maximum Moment (in-kips)	600	1,500	950	2,350
Depth to Maximum Moment (feet)	5	0	5	0
Depth to Negligible Moment (feet)	10	12	12	14

Table 6.2: Lateral Load Design Data for 24-inch Drilled Concrete Pile

	Pile Head Deflection (inches)			
	¼		½	
Pile Head Condition	Free	Fixed	Free	Fixed
Lateral Load (kips)	34	65	47	95
Maximum Moment (in-kips)	1,100	3,000	1,800	4,600
Depth to Maximum Moment (feet)	6	0	6	0
Depth to Negligible Moment (feet)	13	18	16	19

Table 6.3: Lateral Load Design Data for 30-inch Drilled Concrete Pile

	Pile Head Deflection (inches)			
	¼		½	
Pile Head Condition	Free	Fixed	Free	Fixed
Lateral Load (kips)	48	96	67	135
Maximum Moment (in-kips)	1,900	5,000	3,000	7,900
Depth to Maximum Moment (feet)	6.5	0	7	0
Depth to Negligible Moment (feet)	17	21	19	22

For piles in groups spaced as shown below and at least 3 pile diameters on centers, no reduction in the lateral capacities need be considered for the first (leading) row of piles in the direction perpendicular to loading. For subsequent rows in the direction of loading, piles in groups spaced closer than 8 pile diameters on centers will have a reduction in lateral capacity due to group effects. Therefore, the lateral capacity of piles in groups, except for the first row of piles, spaced at 3 pile diameters on centers, may be assumed to be reduced by half. The reduction of lateral capacity in the direction of loading for other pile spacing may be interpolated.

7.7.4 Drilled CIDH Pile Installation

Based on the soil types encountered in the field investigations, caving is anticipated during drilling. Special techniques, such as casing or drilling fluid, should be used to prevent caving.

The pile installation should be completed the same day that the drilling is performed. A collar should be placed around the mouth of the shaft after drilling to prevent soils from entering the excavation, and the pile shafts should be covered until concrete is placed.

Concrete should be pumped from the bottom up through a rigid pipe extending to the bottom of the drilled excavation, with the pipe being slowly withdrawn as the concrete level rises. The discharge end of the pipe should be at least 5 feet below the surface of the concrete at all times during placement. The discharge pipe should be kept full of concrete during the entire placing

operation and should not be removed from the concrete until all of the concrete is placed and fresh concrete appears at the top of the pile. The volume of concrete pumped into the hole should be recorded and compared to design volume.

The drilling of the pile excavations and the placing of the concrete should be observed continuously by personnel of our firm to verify that the desired diameter and depth of piles are achieved.

7.8 Pole Foundations

Pole-type footings may be designed in accordance with Section 1807A.3, Embedded Posts and Poles, of the California Building Code (2022 CBC). The following recommendations should be used in design of pole foundations:

- Bottom of pole foundations should bear on native site soils.
- Lateral support may be derived from the native soils and/or new compacted structural fill. Uncertified fill soils should not be used to provide lateral support.
- For pole foundations installed as noted above, the following may be used for design:
  - Use an allowable bearing capacity of 2,000 pounds per square foot (psf).
  - For resistance of lateral loads use a passive earth pressure of 500 psf per foot of depth up to a maximum of 5,000 psf for lateral bearing pressure for pole foundations.

7.9 Floor Slab on Grade

If recommendations for earthwork provided in Section 6.3 and 6.4 of this report are followed, the floor slab may be supported on grade.

Slabs should be designed for the anticipated loading. If an elastic design is used, a modulus of subgrade reaction of 80 pci may be used. Slab thickness, control joints and reinforcement should be designed by the project structural engineer and should conform to the requirements of the 2022 CBC and with the recommendations of the American Concrete Institute.

Concrete slabs constructed on grade ultimately cause the moisture content to rise in the underlying soil. This results from continued capillary rise and the termination of normal evapotranspiration. Because normal concrete is permeable, the moisture will eventually penetrate the slab. Excessive moisture may cause mildewed carpets, lifting or discoloration of floor tiles, swelling or doming of wood flooring, or similar problems. To decrease the likelihood of problems related to damp slabs, suitable moisture protection measures should be used where moisture sensitive floor coverings, moisture sensitive equipment, or other factors warrant.

American Concrete Institute (2004) provides detailed recommendations regarding moisture protection systems. The project architect should review ACI 302.1R-04 along with the moisture

requirements of the proposed flooring system and specify an appropriate moisture protection system based on the allowable moisture transmission rate of the flooring to be used. The vapor membrane should conform to ASTM E 1745 guidelines. According to ACI 302-1R-04, moisture protection may consist of 10 to 15 mil polyethylene plastic sheeting over the compacted subgrade. If necessary, 2 inches of a granular base material may be placed beneath the polyethylene plastic sheeting to provide a level surface. The granular base material should be a clean, fine graded material with at least 10 to 30 percent passing the No. 100 sieve but not contaminated with clay, silt, or organic material. The granular material should be compacted prior to placement of the vapor membrane. The vapor membrane should be protected from puncture and if damaged be repaired in accordance with the manufacturer's recommendations.

Studies have shown that using a sand layer between the concrete and moisture barrier/retarder may increase the likelihood of moisture transmission through the slab. Concrete may be placed directly on the vapor membrane; however, placing concrete directly on the membrane may result in finishing delays. To speed finishing and reduce the potential for slab curl, we recommend that the concrete mix be designed using a water-cement ratio of between 0.45 and 0.48. The vapor barrier should be installed in accordance with ASTM E 1643 and the manufacturer's recommended installation procedures. The vapor barrier should extend beneath shallow foundation elements and grade beams, and sealed around penetrations. It has been shown the lateral migration of water from foundation edges contributes significantly to moisture problems. The membrane should extend above the soil grade around the structure's perimeter, and the exposed foundation face should be painted with a latex sealer prior to color coat. All joints should be lapped and sealed as recommended by the manufacturer.

7.10 Design of New Retaining Walls

7.10.1 Lateral Earth Pressure

Cantilever retaining walls, which are free to move laterally at least ½ inch for each 10-feet in height, may be designed for an equivalent fluid pressure of 35 pcf with level backfill. These pressures assume that proper drainage is provided behind the walls to prevent the build-up of hydrostatic pressures. The finish ground surface behind the top of the wall should be graded to drain away from the back of the wall.

In addition to the recommended earth pressure, the walls should be designed to resist any applicable surcharges due to foundation, storage, or traffic loads. Surcharge due to adjacenet foundation should be evaluated when a wall extends below a plane drawn at 1:1 (horizontal:vertical) extending downward from adjacent foundation. Normal traffic loads (if applicable) can be modeled as 2 ft of soil surcharge or 240 psf vertical pressures. This lateral pressure should be applied from ground level to a depth of 10 feet. This does not consider cranes or other heavy equipment.

7.10.2 Seismic Earth Pressure

Retaining wall where wall height is greater than 6 feet should be designed to resist an active pressure combined with a seismic increment of lateral active earth pressure. The combined active static and seismic lateral earth pressure were computed based on an k_{eq} of 0.5g (one-half of PGA_M). The combined active static and seismic lateral earth pressure for wall up to 10 feet is equivalent to a fluid with a density of 40 pounds per cubic foot. The active static lateral earth pressure is equivalent to a fluid with a density of 35 pounds per cubic foot. Therefore, a seismic increment of 5 pounds per cubic foot may be used for design of seismic earth pressure for retaining wall up to 10 feet.

For retaining wall which height is between 10 to 20 feet, a combined active static and seismic lateral earth pressure of 70 pounds per cubic foot and seismic increment of 35 pounds per cubic foot may be used for design.

7.10.3 Wall Backfill

We recommend that retaining walls be backfilled with non-expansive granular soils with a (Plasticity Index) PI less than 15 and percent passing No. 200 sieve of less than 15 percent. A 2-ft thick cap consisting of less pervious onsite materials should be used to minimize infiltration of surface water. The finished surface should be graded to drain away from the proposed structures. Heavy compaction equipment operating adjacent to retaining walls can cause excessively high lateral soil pressures to be exerted on the wall. Therefore, soils within 5 feet of the wall should either be compacted with hand operated equipment or designed to withstand compaction pressure from heavy equipment.

7.10.4 Drainage

Retaining walls should be constructed with a properly designed drainage system to prevent buildup of hydrostatic pressures behind the wall. This may consist of geocomposite drain board or 12 inches of clean crushed rock encapsulated in filter fabric, discharging to weep holes or drain pipes. Basement walls or walls with architectural facades or coverings should be properly waterproofed to minimize moisture transmission through the walls.

7.11 Recommendation for Evaluations of Existing Foundations and Retaining Walls

Based on our review of the plans provided by LAUSD for some of the existing buildings within the campus, it appears that most the existing buildings are supported on conventional column footings and continuous wall footings with few buildings supported on single and group piles. The following presents a summary of the foundation type of the existing buildings based on the review of the available plans.

<u>Building A and Building B</u>

The 1924 plans for the existing A and B buildings indicate that the building is supported on the following:

- Square column footings typically ranging from 2'x2' to 3.5'x3.5' embedded a minimum of 24" below adjacent grade
- Continuous wall footings ranging from 2' to 2'-6" wide, embedded a minimum of 24" below adjacent grade

The 1953 plans for strengthening and modernization of building A, and 1954 plans for strengthening and modernization of building B indicate that the additional members, and shear walls were supported on the following:

- Square column footings typically ranging from 4'x4' to 5.3'x5.3' embedded a minimum of 24" below adjacent grade
- Continuous shear wall footings typically 1' wide, embedded a minimum of 18" below adjacent grade

New Classroom and Library Building

The 1974 plans for the new classroom and library building show that the building is supported on the following types of foundations:

- Square column footings typically ranging from 6.5'x6.5' to 11'x11', embedded a minimum of 24" below grade
- Continuous wall footings typically 3' to 6' wide, embedded a minimum of 24" below grade

New Boys' and Girl's Gymnasium

The 1966 plans for the new boys' and girls' gymnasium show that the building is supported on the following types of foundations:

- Square column footings typically ranging from 4'x4' to 8.5'x8.5'', that appears to be embedded a minimum of 24" below grade
- Continuous wall footings typically 1' to 2'8" wide, that appears to be embedded a minimum of 24" below grade

New Classroom Building

The 1965 plans for the new classroom building show that the building is supported on the following types of foundations:

- Continuous wall footings typically 1.5' to 2' wide, embedded a minimum of 36" below grade

New Instrumental Music Building

The 1980 plans for the new instrumental music building show that the building is supported on the following types of foundations:

- Square column footings appear to typically range from 2'x2' to 2.5'x2.5'', embedded a minimum of 16" below grade
- Continuous wall footings typically 1' wide, embedded a minimum of 16" below grade

Club House

The 1940 plans for the club house/social arts building show that the building is supported on the following types of foundations:

- Square pier footings 2'x2', embedded a minimum of 12" below grade
- Continuous wall footings typically 1'4" to 1'8"wide, embedded a minimum of 12" below grade and fireplace supported on 4.5'x7.5' pad, embedded a minimum of 12" below grade.

New Shop Building

The 1965 plans for new shop building show that the building is supported on the following types of foundations:

- Continuous wall footing 3.5' wide, embedded a minimum of 2' below grade
- 20" diameter drilled single piles, or pile groups with 2, 3, 4, and 6 piles, with lengths ranging from 27' to 40'

Classroom Building

The 1962 plans for the classroom building show that the building is supported on the following types of foundations:

- Continuous wall footing 8" to 12" wide, embedded a minimum of 18" below grade
- 20" diameter drilled single piles, or pile groups with 2, 3, 4, 5, and 8 piles, with lengths ranging from 30' to 44'

Cafeteria Building

The 1962 plans for cafeteria building show that the building is supported on the following types of foundations:

- Square column footings typically ranging from 3.5'x3.5' to 7'10"'x7'10" embedded a minimum of 36" below adjacent grade
- Continuous shear wall footings typically 1' wide to 2.5' wide, embedded a minimum of 36" below adjacent grade

The relevant foundation plan sheets of the as-built plans of the existing buildings that were reviewed, are included in Appendix G.

7.11.1 Bearing Capacity Values for Existing Foundations

For evaluation of existing foundations, allowable bearing capacities obtained from the as-built structural drawings may be used. The allowable bearing pressure may be increased by one-third for temporary loads associated with wind and seismic loading.

The recommended bearing values are for use with loadings determined by a conventional working stress design. When considering an ultimate design approach, the allowable bearing capacities may be multiplied by a factor of 3, but not exceed capacities calculated through the following equation.

$$q'_{ult}(ksf) = 6 + D_f + 0.28\,B$$

In the above equations, D_f is the footing embedment depth (below lowest adjacent grade) in feet and B is the footing width in feet. It should be noted that for rectangular footings, $B = \sqrt{B_f \times L_f}$, where B_f and L_f are the actual width and length of the footing, respectively. To obtain the upper bound and lower bound capacities, a coefficient of variation (Cv) of 0.8 should be used.

7.11.2 Settlement of Existing Foundations

We don't expect significant increase in loads as a result of the voluntary retrofit. Therefore, the anticipated settlements resulting from the additional load of the retrofit are expected to be negligible for existing footings.

7.11.3 Lateral Resistance of Existing Foundations

Lateral loads against the structure may be resisted by friction between the bottoms of footings and the soil, and passive pressure from the portion of vertical foundation members embedded into the native alluvial deposits. A coefficient of friction of 0.35 and a passive pressure of 250 psf per foot of embedment may be used. A one-third increase in the passive value can be used for wind or seismic loads. The frictional resistance and the passive resistance of the soils can be combined without reduction in determining the total lateral resistance.

When considering an ultimate design approach, the coefficient of friction and passive pressure may be multiplied by a factor of 1.5.

7.11.4 Dynamic Modulus of Subgrade Reaction of Existing Foundations

For evaluation of transient loading, such as seismic loading, the load-deformation characteristics for existing foundations supported on alluvial deposits may be evaluated following Section 8.4.2 of ASCE 41-17. The initial (small-strain) shear modulus (G_0) may be calculated using Equation 8-4, and the effective shear modulus ratio (G/G_0) may be evaluated using Table 8-2 of ASCE 41-17.

The parameters given in the following tables are recommended to be used for evaluation of the dynamic modulus of subgrade reaction for the existing footings:

Existing Foundations	Unit Weight (pcf)	Average Shear Wave Velocity, *Vs* (ft/s)	Poisson's Ratio	Average Initial Shear Modulus, G_0 (ksf)
Campus-wide	**120**	**800**	**0.40**	**2,400**

Per Section 8.4.2, a coefficient of variation (C_V) of 0.5 may be used in the analyses for determining the upper and lower bounds of the dynamic stiffnesses.

Hazard Level	Effective Peak Acceleration $S_{XS}/2.5$	Effective Shear Modulus Ratio (G/G_0)
BSE-2N	**0.916**	**0.600**
BSE-2E	**0.692**	**0.640**
BSE-1N	**0.610**	**0.671**
BSE-1E	**0.346**	**0.797**

These values may be used with either Methods 1, 2, or 3 described in Sections 8.4.2.3, 8.4.2.4, or 8.4.2.5 of ASCE 41-17, depending on the rigidity of the foundation relative to the alluvial deposits.

7.11.5 Lateral Earth Pressures for Existing Retaining Walls

Existing cantilevered retaining walls that are may be evaluated using an active equivalent fluid pressure for static conditions, and an active-plus-seismic equivalent fluid pressure under seismic loading as shown in the table below.

Load Case	Equivalent Fluid Pressure (pcf)
Static Active	**40**
BSE-2N	**40 (active) + 40 (seismic increment)**
BSE-2E	**40 (active) + 15 (seismic increment)**
BSE-1N	**40 (active) + 9 (seismic increment)**
BSE-1E	**40 (active) + 0* (seismic increment)**

*Note: Conservatively ignoring the effect of soil cohesion for static active condition but considering the effect of soil cohesion for seismic conditions results in a negative seismic increment for BSE-1E seismic level. Thus, the seismic increment may be ignored for BSE-1E level.

Any surcharge loads, as a result of traffic, live loads, adjacent foundations, or others should be included in the evaluation as appropriate. Surcharge loading may be taken as a uniform lateral earth pressure of 0.35q, where 'q' is the surcharge in pounds per square foot (psf). Surcharges at least a distance of the wall height, H, away from the wall may be neglected. Other loading may be provided as needed upon request.

7.12 Site Drainage

The site should be graded to maintain positive drainage, so all runoff is properly collected and conveyed to proper disposal in approved storm drains or drainage devices. The area around foundations should be sloped at 2 percent to drain runoff away and prevent ponding of water.

7.13 Utility Installations

If new buried service lines will be installed, the bedding should be a minimum of 4 inches thick and should consist of clean sand, No. 4 concrete aggregate or gravel, and should have a sand equivalent of not less than 30. Concrete encasement is anticipated for electrical conduits. The pipe zone material, which extends to a level 12 inches above the pipe should consist of sand and should have a sand equivalent of no less than 30, and a maximum rock size of 1 inch. All imported materials should be approved by the project geotechnical engineer before being brought onsite.

Trench zone backfill extends from a level 12 inches above the pipe to finished subgrade. Trench zone material should have a maximum size of 2 inches and should contain no organics or other deleterious materials. Most of the near surface soils at the site can be used for trench zone backfill. All fill soils should be approved by the project geotechnical engineer. Soils proposed to be imported should be approved before being brought on site.

All bedding materials should be compacted using vibratory equipment. Jetting or flooding of backfill should not be permitted. Trench backfill materials should be mechanically compacted to at least 90 percent relative compaction.

To prevent water from draining under building slabs through bedding on trench backfill, it is recommended that a concrete "dam" be installed outside the point of entry. The dam should be about 12 inches in thickness and extend at least 1 foot outside the width of the trench.

7.14 Environmental Issues

Evaluation of environmental issues for this project and their impact on site development are outside our scope of our work and are the responsibility of the project environmental consultant.

7.15 Pavement Design

To provide support for paving, the subgrade soils should be prepared as recommended in Section 6.3 and 6.4. Compaction of the subgrade, including trench backfills, to at least 90%, and achieving a firm, hard, and unyielding surface will be important for paving support. The preparation of the paving area subgrade should be done immediately prior to placement of the base course. Proper drainage of the paved areas should be provided since this will reduce moisture infiltration into the subgrade and increase the life of the paving.

7.15.1 Asphalt Concrete (AC) Paving

The paving thicknesses are based on assumption that the proposed pavement will be supported on at least 2 feet of non-expansive properly compacted fill soils. An R-value of 30 was assumed for design. The R-value should be confirmed during grading.

The required paving and base thicknesses will depend on the expected wheel loads and volume of traffic (Traffic Index or TI). Assuming that the paving subgrade will consist of the on-site or comparable soils compacted to at least 90% as recommended, the minimum recommended paving thicknesses are presented in the following table.

Table 7: Traffic Index and Section Thickness

Traffic Index (TI)	Section Thickness (inch): Asphalt Concrete (AC) over Aggregate Base (AB)
4	3” AC/3” AB
5	3½ ” AC/4½” AB
6	4” AC/6½” AB
7	4½”AC/8½” AB

7.15.2 Portland Cement Concrete (PCC) Paving

A concrete pavement consisting of 6 inches of concrete over 6 inches of aggregate base is recommended to be used for trash enclosures and other areas that will be subjected to high wheel loads or abrasive wheel forces, i.e., where there is a tight turning radius. For concrete pavement supporting fire trucks, we assume a TI of 7 may be used. Accordingly, we recommend that a concrete pavement consisting of 7 inches of concrete over 4 inches of aggregate base is recommended to be used for firelanes. The TI for firelane should be confirmed during design phase of the project.

The upper 12 inches of subgrade supporting pavements should be compacted to at least 95 percent relative compaction (ASTM D1557).

7.15.3 Concrete Walkway and Hardscape

Exterior slabs should be supported by compacted fill prepared as recommended Section 6.4 in this report. Concrete walkway and hardscape should be designed for the anticipated loading. We recommend that exterior slabs be at least 4 inches thick and reinforced with at least 6-inch by 6-inch, W2.9 by W2.9 welded wire fabric placed at slab mid-height. Crack control joints should be used on all exterior slabs, with a maximum spacing of 5-foot centers each way for sidewalks and 10-foot centers each way for slabs. Actual crack control joint spacing should be designed by the project structural engineer or architect in conformance with the requirements of the 2022 CBC and the PCA Engineering Bulletin for Concrete Floors on Ground.

7.15.4 Playground Pavement and Pavement between Buildings and Landscape Areas

Playground pavement and pavement between buildings are to be designed essentially for foot traffic, with only occasional light vehicle loading, i.e., golf cart-type vehicles. We understand that the District's standard design for such pavements consists of 2 inches of AC over 3 inches of Aggregate Base. The District's experience indicates this standard design generally provides satisfactory performance over the design life of the pavement for a wide range of subgrade conditions.

7.15.5 Base Course

The base course should conform to requirements of Section 26 of State of California Department of Transportation Standard Specifications (Caltrans), latest edition, or meet the specifications for untreated base as defined in Section 200-2 of the latest edition of the Standard Specifications for Public Works Construction (Green Book). The base course should be compacted to at least 95%.

7.16 Discussion on Feasibility of Infiltration

Based on the County of Los Angeles Department of Public Works, Geotechnical and Materials Engineering Division, Guidelines for Geotechnical Investigation and Reporting Low Impact Development Stormwater Infiltration, the required minimum design infiltration rate is 0.3 inches per hour.

Near surface soils, and the subsurface soils encountered within the upper 15 to 30 feet, generally included sandy clays, lean clays, and sandy silts, which have fine contents (% passing #200 sieve) of over 50% and are not suitable for infiltration. Therefore, shallow infiltration does not appear to be feasible at the school campus.

Soils encountered at depths greater than about 25 to 30 feet, included interbedded layers of poorly graded sands, well-graded sands, sandy silts, and sandy clays. Sieve analyses of samples from depths greater than 30 feet, indicated that some of the sandy soils (SP, SW, and SP-SM) had fines contents less than 12%, with sand content great than 50%, and varying amounts of gravel. These soils are considered to have "good" permeability with coefficients of permeability typically 10^{-3} cm/s to 1 cm/s, corresponding to infiltration rates greater than 0.3 inches per hour. However, sieve analyses also indicated interbedded silt layers being present with fine contents great than 50%. Presence of the siltier interbeds, can significantly reduce the overall infiltration rate to less than 0.3 inches per hour.

Therefore, deep infiltration appears to be feasible at depths greater than about 30 feet at some locations within the school campus. However, we recommend that infiltration testing be performed during final design at depths greater than 30 feet, to measure the actual infiltration rates, and further evaluate the infiltration potential, once the potential locations of on-site infiltration are known.

8.0 LIMITATIONS

This preliminary geotechnical report was performed in accordance with generally accepted Geotechnical Engineering principles and practice. The professional engineering work and judgments presented in this report meet the standard of care of our profession at this time. No other warranty, expressed or implied, is made. This report has been prepared for LAUSD, and their design consultants. It may not contain enough information for other parties or other purposes and should not be used for other projects or other purposes without review and approval by Group Delta. This preliminary geotechnical report will not be sufficient for final design. A final comprehensive geotechnical report will be required prior to developing final plans for the project.

9.0 REFERENCES

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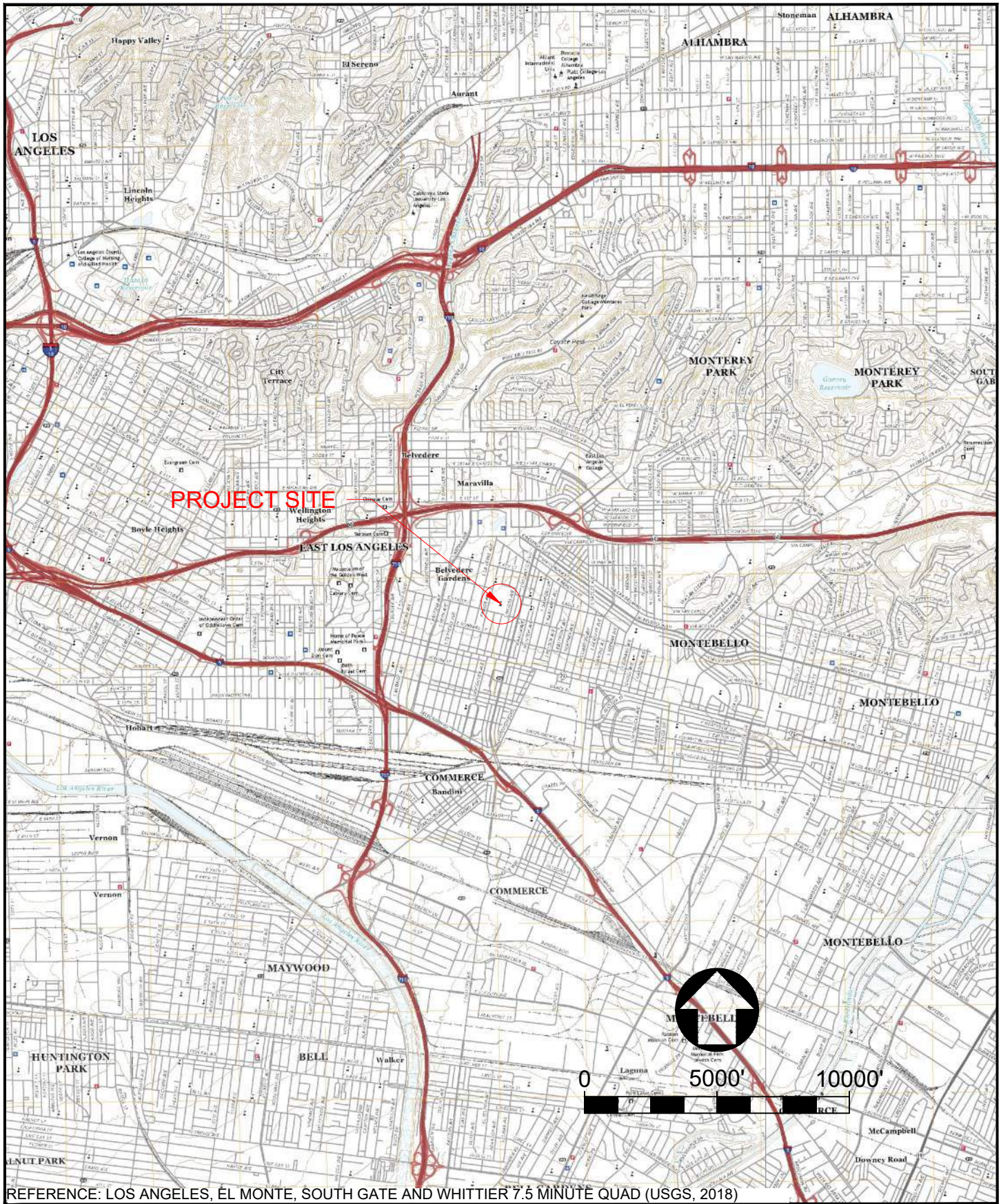
FIGURES



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PREPARED BY: -				GARFIELD HIGH SCHOOL 5101 E 6TH ST., LOS ANGELES, CA	FIGURE NUMBER: 1

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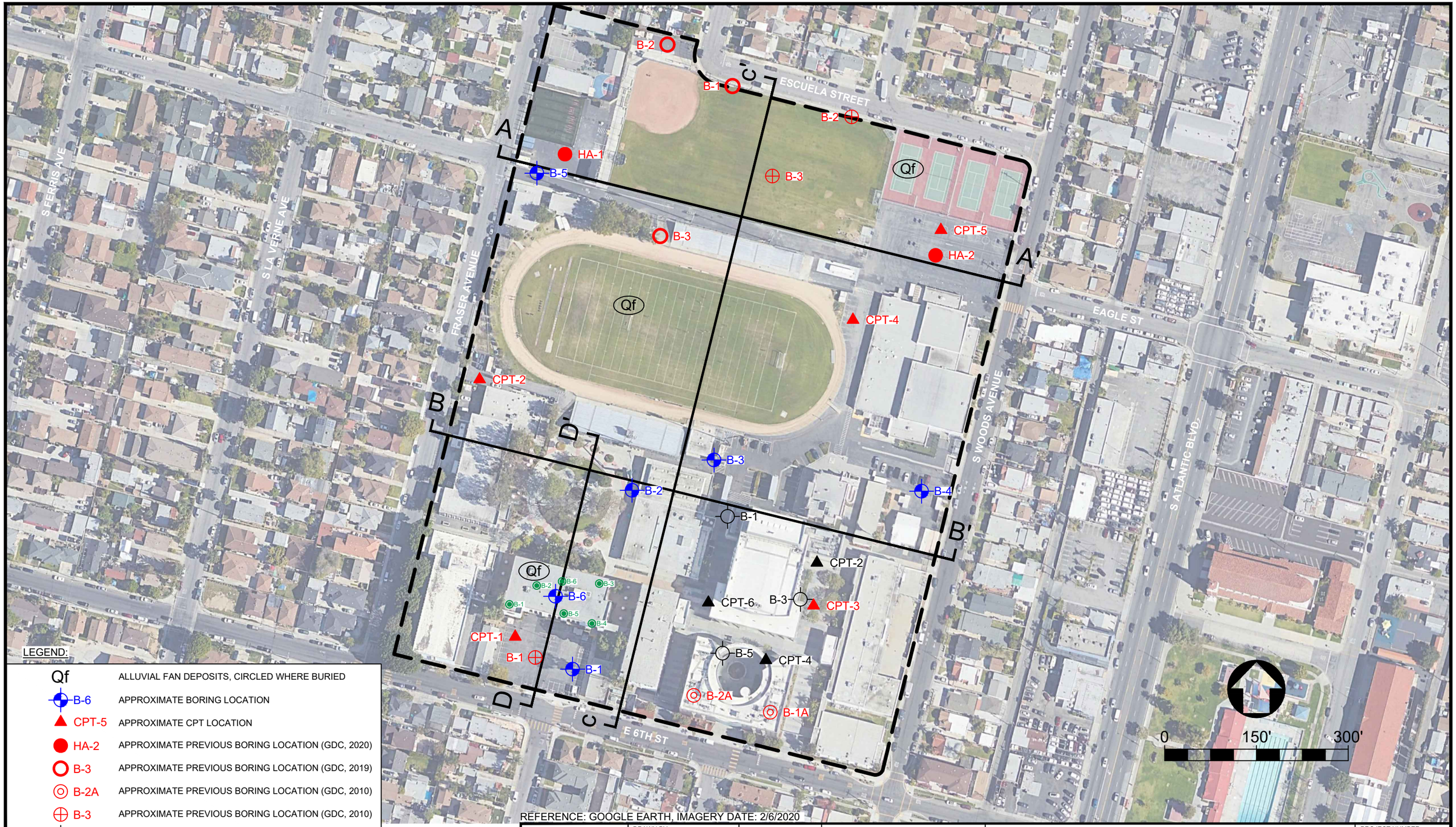

LEGEND:

Qf	ALLUVIAL FAN DEPOSITS, CIRCLED WHERE BURIED
B-6	APPROXIMATE BORING LOCATION
CPT-5	APPROXIMATE CPT LOCATION
HA-2	APPROXIMATE PREVIOUS BORING LOCATION (GDC, 2020)
B-3	APPROXIMATE PREVIOUS BORING LOCATION (GDC, 2019)
B-2A	APPROXIMATE PREVIOUS BORING LOCATION (GDC, 2010)
B-3	APPROXIMATE PREVIOUS BORING LOCATION (GDC, 2010)
B-5	APPROXIMATE PREVIOUS BORING LOCATION (GDC, 2009)
CPT-6	APPROXIMATE PREVIOUS CPT LOCATION (GDC, 2009)
B-6	APPROXIMATE PREVIOUS BORING LOCATION (NICOLA SOIL ENGINEERS, 1972)
	PROJECT AREA

REFERENCE: GOOGLE EARTH, IMAGERY DATE: 2/6/2020

DATE: 11/11/2022	DRAWN BY: JMT
REVIEWED BY: MAS	APPROVED BY: PK/ET
REVISED: -	

GROUP DELTA CONSULTANTS, INC
370 Amapola Ave.
Suite 212
Torrance, CA. 90501

EXPLORATION LOCATIONS PLAN

GARFIELD HIGH SCHOOL
5101 E 6TH ST., LOS ANGELES, CA

PROJECT NUMBER: LA1553
SCALE: AS SHOWN
FIGURE NUMBER: 2

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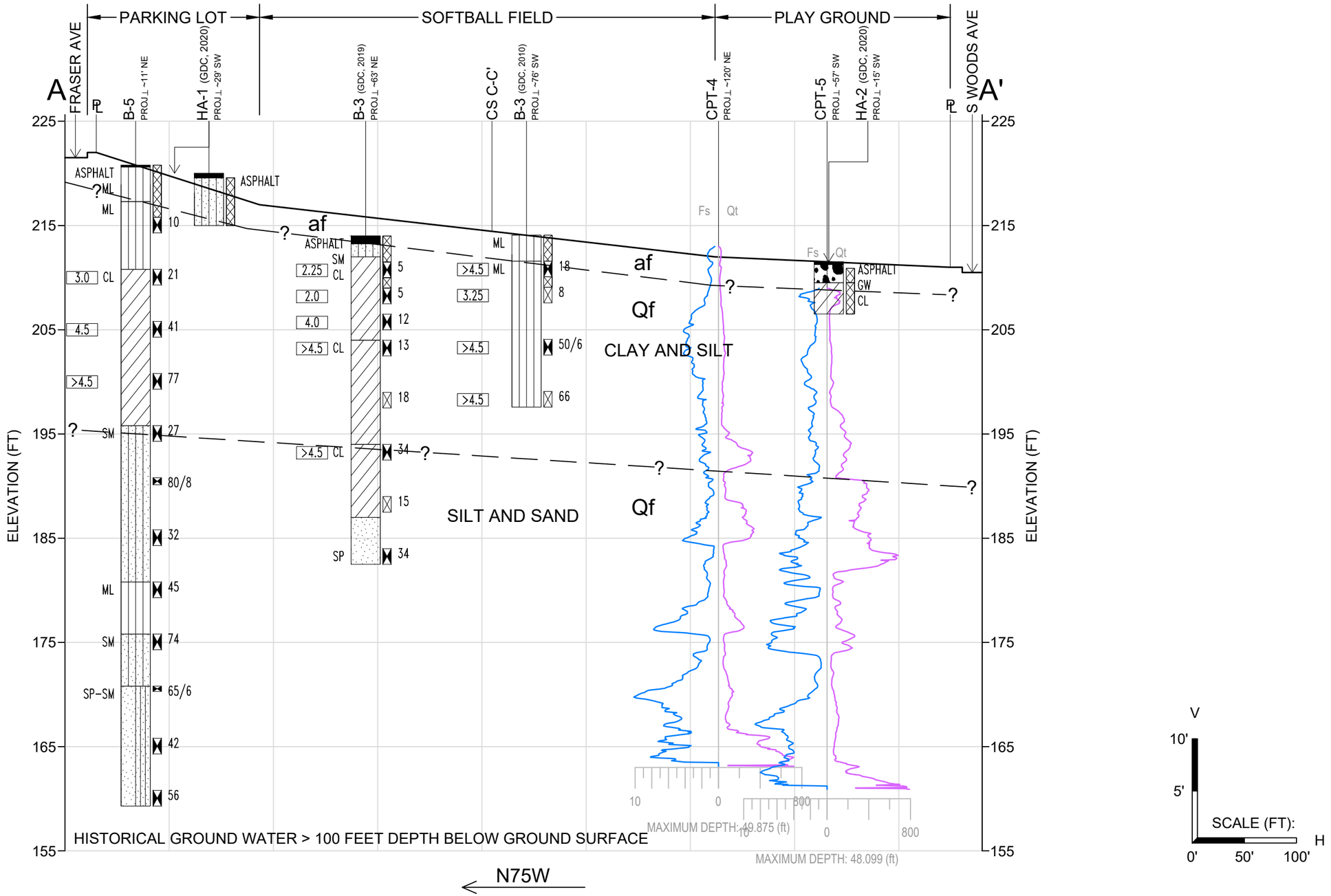

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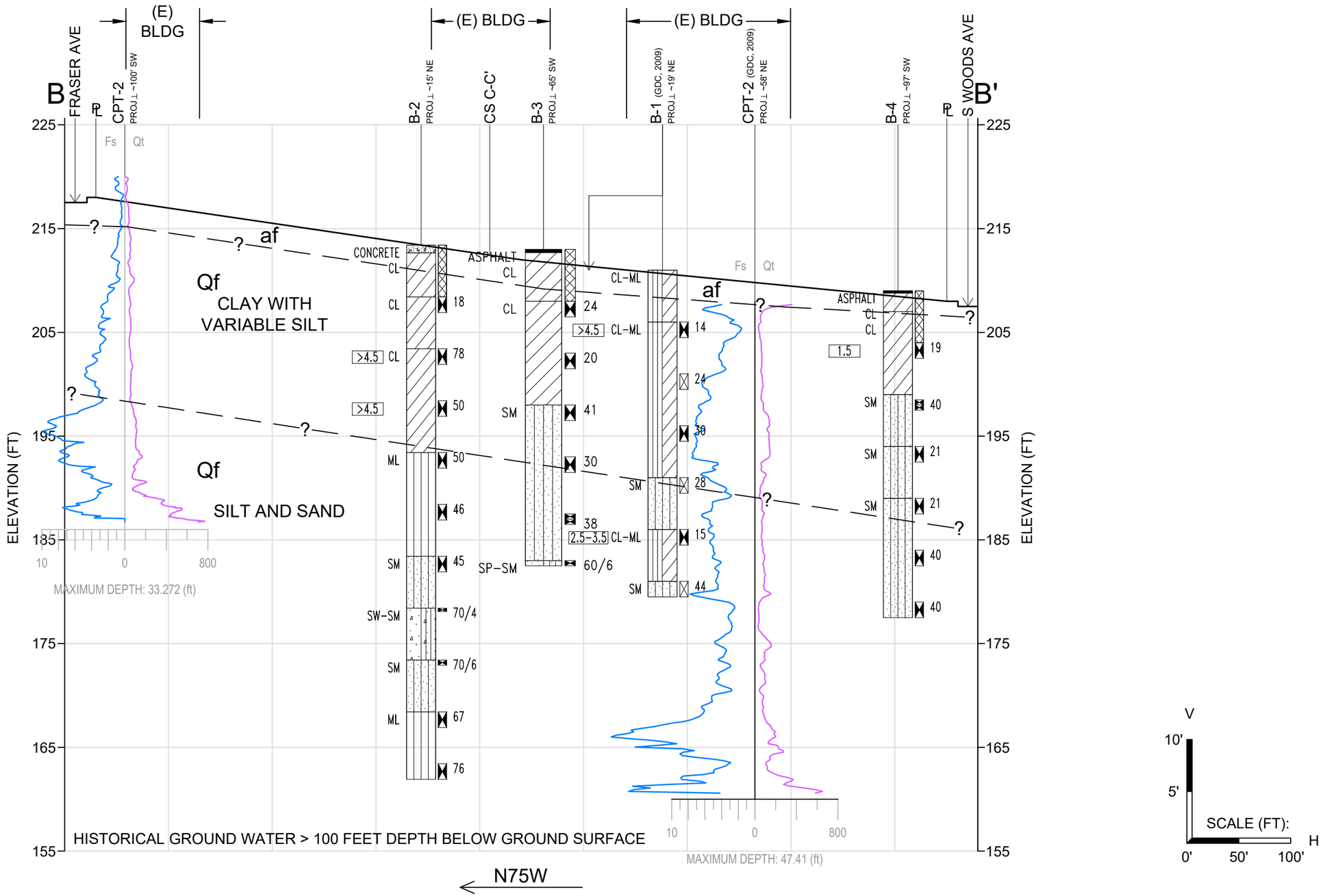

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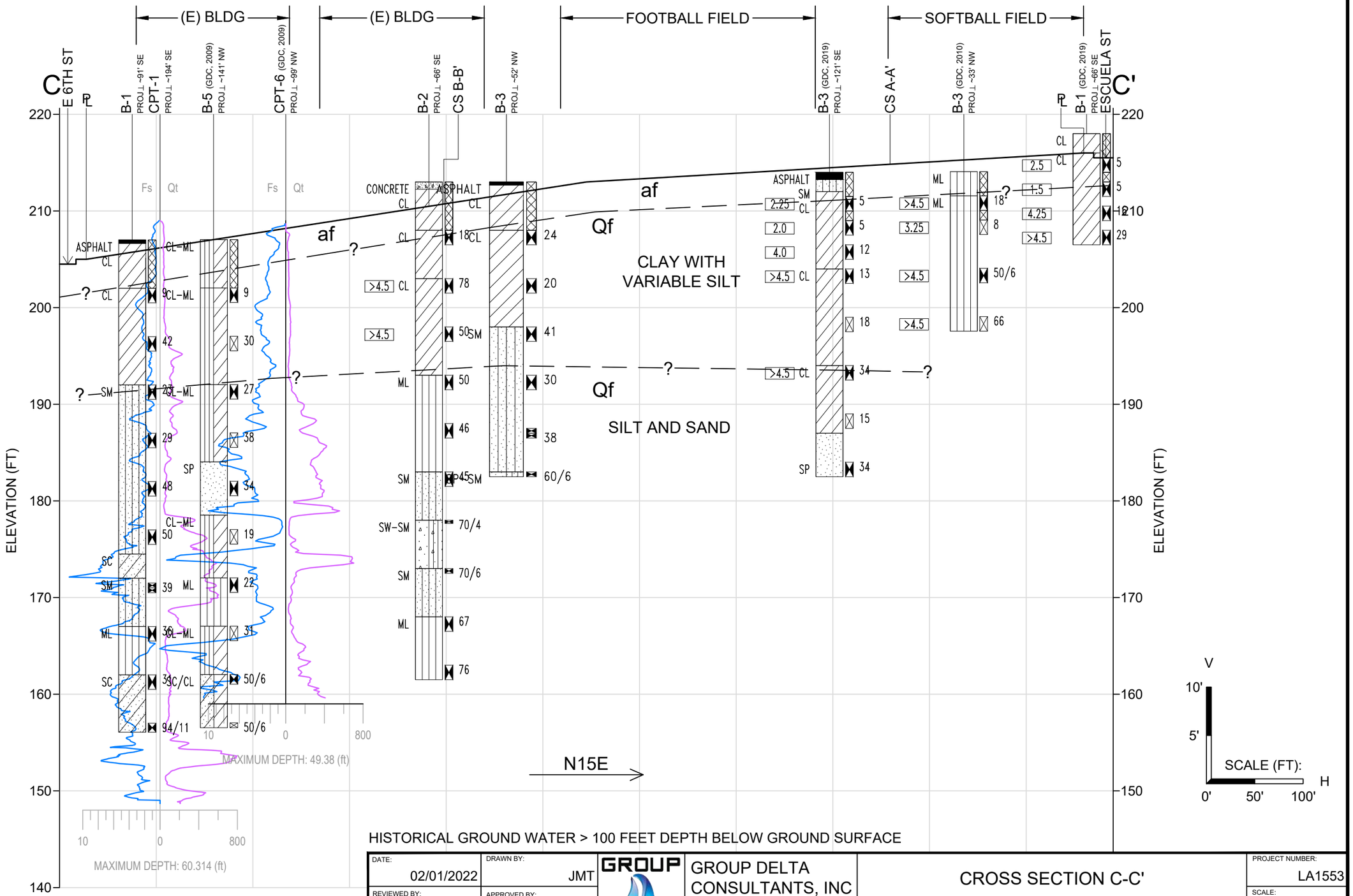

HISTORICAL GROUND WATER > 100 FEET DEPTH BELOW GROUND SURFACE

LEGEND:

af	ARTIFICIAL FILL
Qf	ALLUVIAL FAN DEPOSITS

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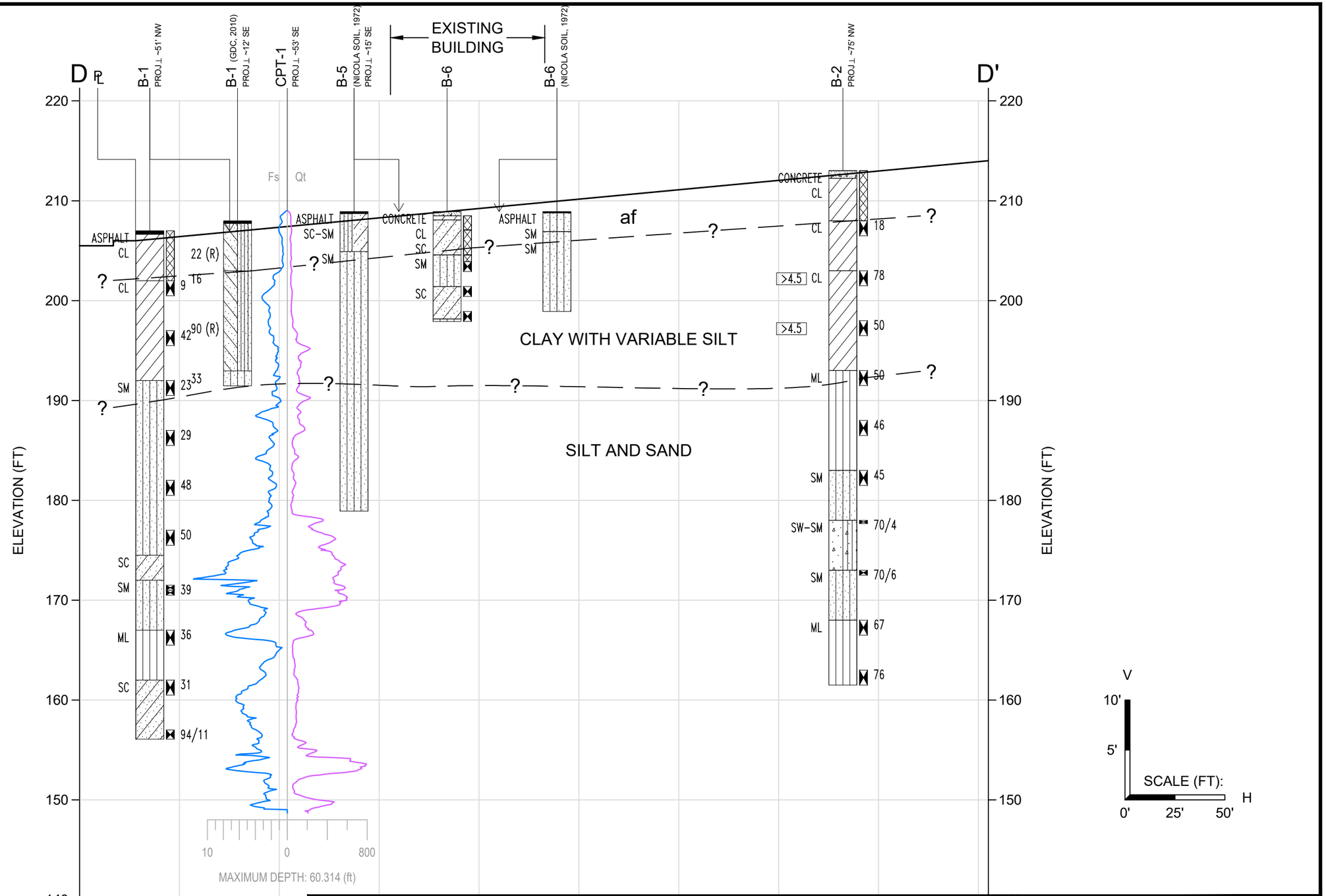
REVIEWED BY: MAS	APPROVED BY: PK		GARFIELD HIGH SCHOOL 5101 E 6TH ST., LOS ANGELES, CA
REVISED: -			PROJECT NUMBER: LA1553 SCALE: AS SHOWN FIGURE NUMBER: 3.3



LEGEND:

af ARTIFICIAL FILL

DATE: 11/11/2022	DRAWN BY: JMT	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	CROSS SECTION D-D'
REVIEWED BY: -	APPROVED BY: ET		GARFIELD HIGH SCHOOL 5101 E 6TH ST., LOS ANGELES, CA
REVISED: -			PROJECT NUMBER: LA1553 SCALE: AS SHOWN FIGURE NUMBER: 3.4

MAP UNITS AND SYMBOL EXPLORATION

Late Holocene (Surficial Deposits)

- af — **Artificial Fill** - deposits of fill resulting from human construction, mining, or quarrying activities; includes engineered fill for buildings, roads, dams, airport runways, harbor facilities, and waste landfills
- Qsu — **Undifferentiated Surficial Deposits** - includes colluvium, slope wash, talus deposits, and other surface deposits of all ages; generally unconsolidated but locally may contain consolidated layers
- Qls — **Landslide Deposits** - may include debris flows and older landslides of various earth material and movement types; unconsolidated to moderately well-consolidated
- Qb — **Beach Deposits** - unconsolidated marine beach sediments consisting mostly of fine- and medium-grained, well-sorted sand
- Qw — **Alluvial Wash Deposits** - unconsolidated sandy and gravelly sediment deposited in recently active channels of streams and rivers; may contain loose to moderately loose sand and silty sand
- Qf — **Alluvial Fan Deposits** - unconsolidated boulders, cobbles, gravel, sand, and silt recently deposited where a river or stream issues from a confined valley or canyon; sediment typically deposited in a fan-shaped cone; gravelly sediment generally more dominant than sandy sediment
- Qa — **Alluvial Valley Deposits** - unconsolidated clay, silt, sand, and gravel recently deposited parallel to localized stream valleys and/or spread more regionally onto alluvial flats of larger river valleys; sandy sediment generally more dominant than gravelly sediment
- Qt — **Terrace Deposits** - includes marine and stream terrace deposits; marine deposits include slightly to moderately consolidated and bedded gravel and conglomerate, sand and sandstone, and silt and siltstone; river terrace deposits consist of unconsolidated thin- to thick-bedded gravel
- Ql — **Lacustrine, Playa, and Estuarine (Paralic) Deposits** - mostly unconsolidated fine-grained sand, silt, mud, and clay from fresh water (lacustrine) lakes, saline (playa) dry lakes that are periodically flooded, and estuaries; deposits may contain salt and other evaporites
- Qe — **Eolian and Dune Deposits** - unconsolidated, generally well-sorted wind-blown sand; may occur as dune forms or sheet sand

Holocene to Late Pleistocene (Surficial Deposits)

- Qyf — **Young Alluvial Fan Deposits** - unconsolidated to slightly consolidated, undissected to slightly dissected boulder, cobble, gravel, sand, and silt deposits issued from a confined valley or canyon
- Qya — **Young Alluvial Valley Deposits** - unconsolidated to slightly consolidated, undissected to slightly dissected clay, silt, sand, and gravel along stream valleys and alluvial flats of larger rivers

Late to Middle Pleistocene (Surficial Deposits)

- Qof — **Old Alluvial Fan Deposits** - slightly to moderately consolidated, moderately dissected boulder, cobble, gravel, sand, and silt deposits issued from a confined valley or canyon
- Qoa — **Old Alluvial Valley Deposits** - slightly to moderately consolidated, moderately dissected clay, silt, sand, and gravel along stream valleys and alluvial flats of larger rivers
- Qot — **Old Terrace Deposits** - slightly to moderately consolidated, moderately dissected marine and stream terrace deposits
- Qol — **Old Lacustrine, Playa, and Estuarine (Paralic) Deposits** - slightly to moderately consolidated, moderately dissected fine-grained sand, silt, mud, and clay from lake, playa, and estuarine deposits of various types

Middle to Early Pleistocene (Surficial Deposits)

- Qvof — **Very Old Alluvial Fan Deposits** - moderately to well-consolidated, highly dissected boulder, cobble, gravel, sand, and silt deposits issued from a confined valley or canyon
- Qvoa — **Very Old Alluvial Valley Deposits** - moderately to well-consolidated, highly dissected clay, silt, sand, and gravel along stream valleys and alluvial flats of larger rivers; generally uplifted and deformed

Quaternary (Bedrock)

- Qss — **Coarse-grained formations of Pleistocene age and younger** - primarily sandstone and conglomerate
- Qsh — **Fine-grained formations of Pleistocene age and younger** - includes fine-grained sandstone, siltstone, mudstone, shale, siliceous and calcareous sediments

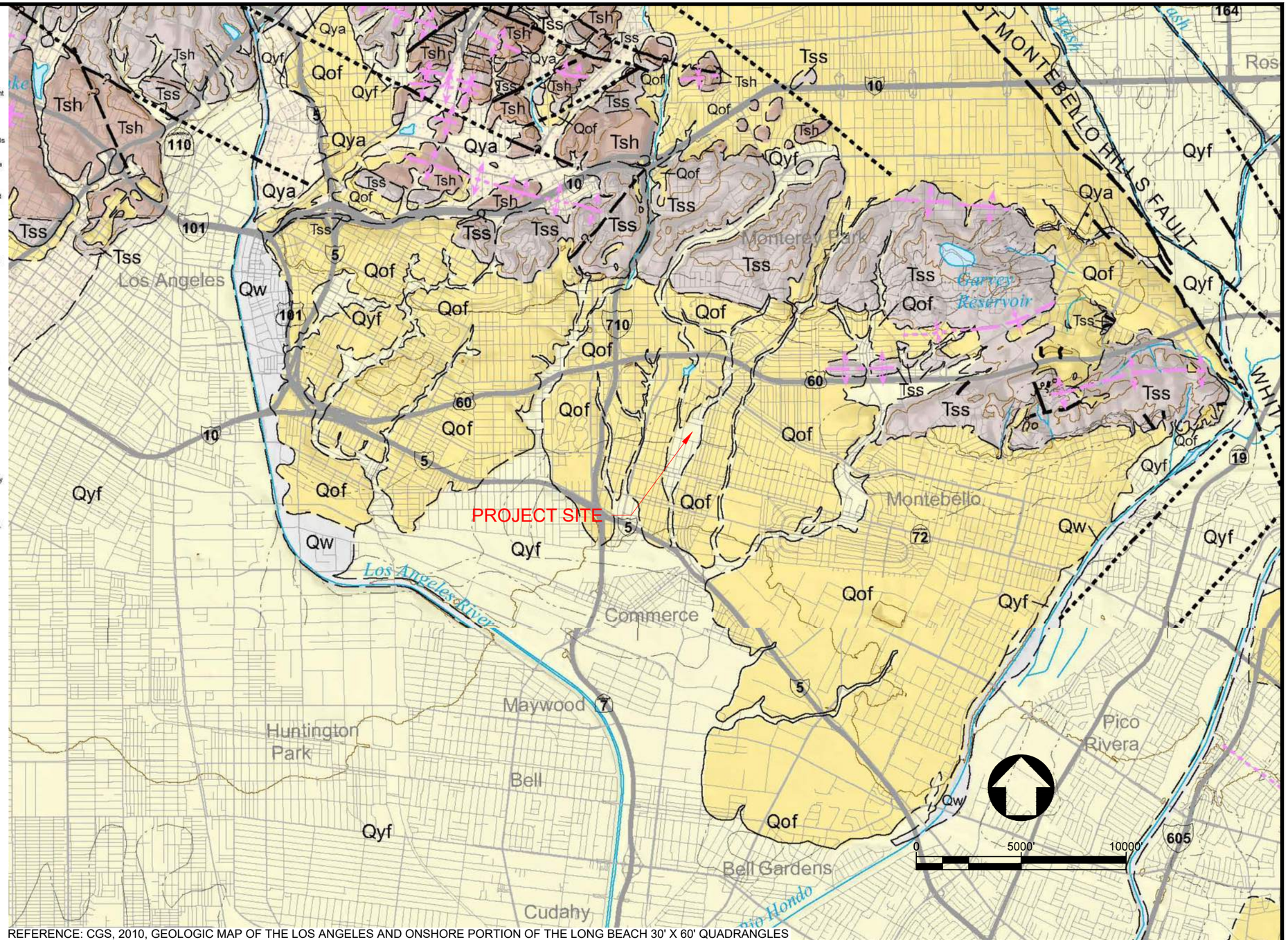
Tertiary (Bedrock)

- Tss — **Coarse-grained Tertiary age formations** - primarily sandstone and conglomerate
- Tsh — **Fine-grained Tertiary age formations** - includes fine-grained sandstone, siltstone, mudstone, shale, siliceous and calcareous sediments
- Tv — **Tertiary age formations of volcanic origin**

Mesozoic and Older (Bedrock)

- Kss — **Coarse-grained Cretaceous age formations of sedimentary origin**
- Ksh — **Fine-grained Cretaceous age formations of sedimentary origin**
- pKm — **Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin**
- sp — **Serpentinite of all ages**
- gr — **Granitic and other intrusive crystalline rocks of all ages**

- Contact
- Gradational contact
- Reference contact -- Used to delineate geologic units that were mapped as separate units on the original source map, but are consolidated on this map.
- Fault -- Includes strike-slip, normal, reverse, oblique, and unspecified slip
- Lineament
- Folds -- Showing direction of plunge where appropriate
- Anticline
- Overturned anticline
- Syncline
- Dike
- Stream
- Spring
- Road



REFERENCE: CGS, 2010, GEOLOGIC MAP OF THE LOS ANGELES AND ONSHORE PORTION OF THE LONG BEACH 30' X 60' QUADRANGLES

DATE: 02/01/2022	DRAWN BY: JMT	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	PROJECT NUMBER: LA15553
REVIEWED BY: MAS	APPROVED BY: PK	REGIONAL GEOLOGY MAP	SCALE: AS SHOWN
REVISED: -		GARFIELD HIGH SCHOOL 5101 E 6TH ST., LOS ANGELES, CA	FIGURE NUMBER: 4

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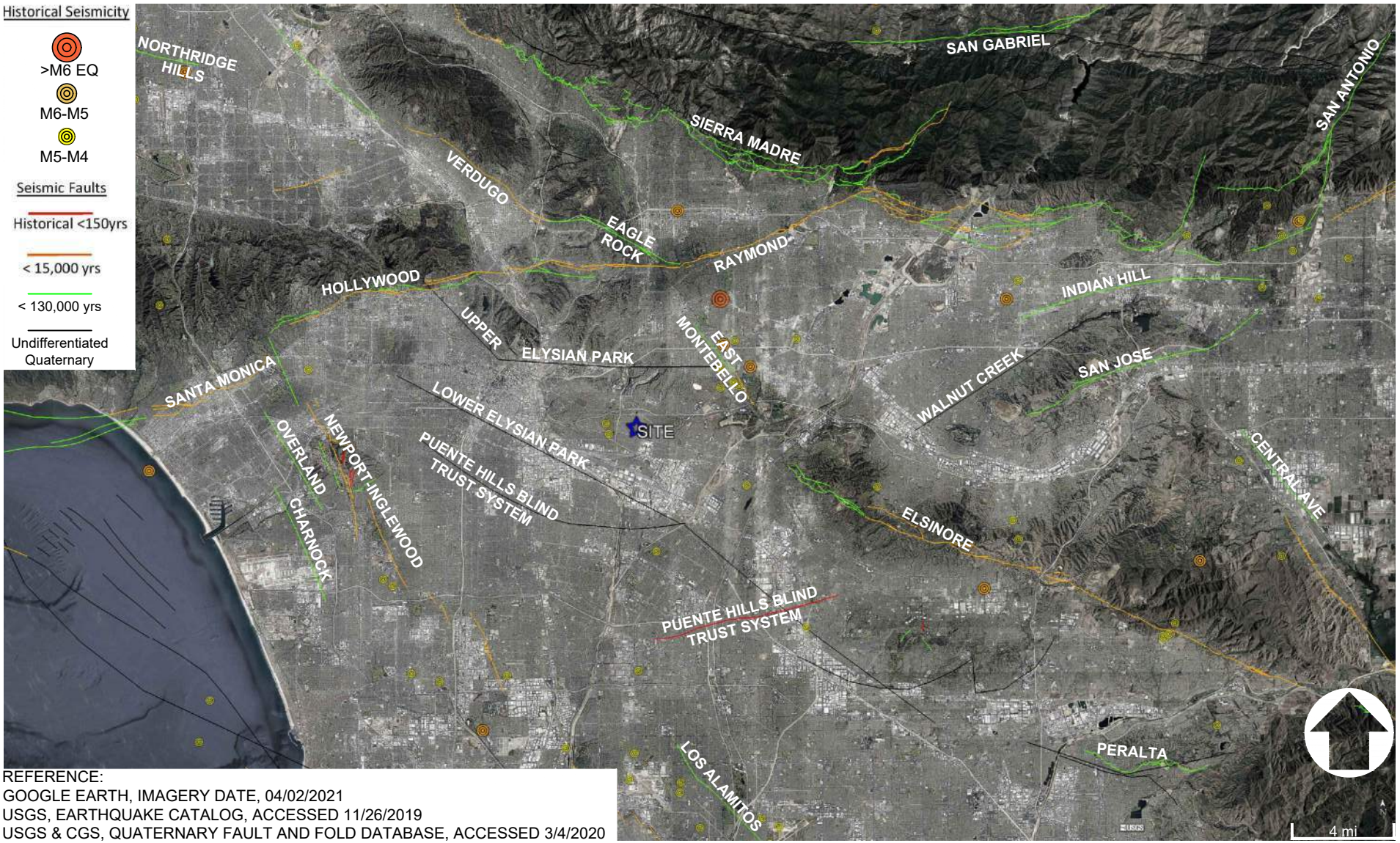

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GOOGLE EARTH, IMAGERY DATE, 04/02/2021
USGS, EARTHQUAKE CATALOG, ACCESSED 11/26/2019
USGS & CGS, QUATERNARY FAULT AND FOLD DATABASE, ACCESSED 3/4/2020

DATE: 02/01/2022	DRAWN BY: JMT	GROUP DELTA	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	REGIONAL FAULT AND SEISMICITY MAP GARFIELD HIGH SCHOOL 5101 E 6TH ST., LOS ANGELES, CA	PROJECT NUMBER: LA15553
REVIEWED BY: MAS	APPROVED BY: PK				SCALE: AS SHOWN
PREPARED BY: -					FIGURE NUMBER: 5

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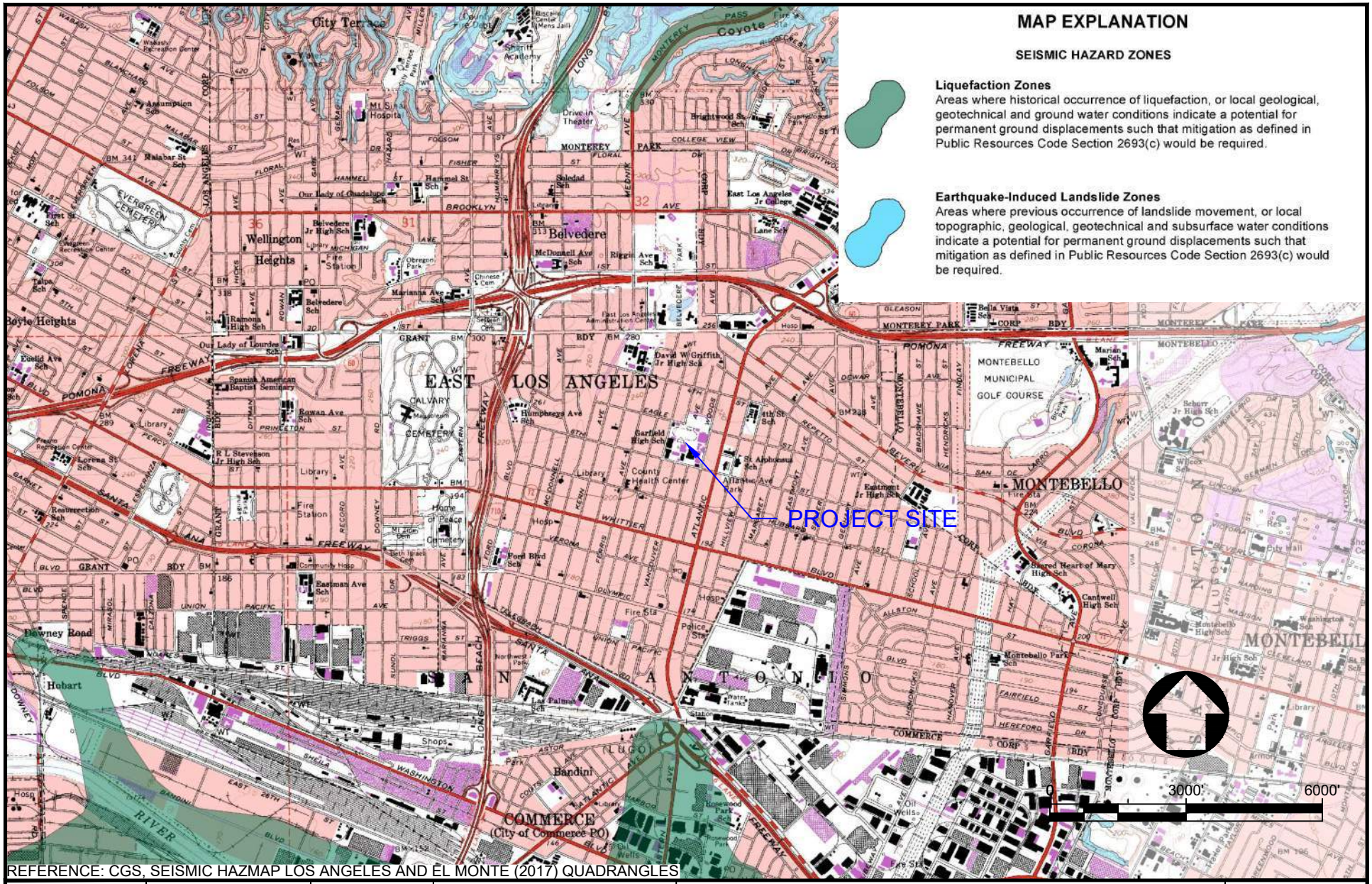

REFERENCE: CGS, SEISMIC HAZMAP LOS ANGELES AND EL MONTE (2017) QUADRANGLES

DATE: 02/01/2022	DRAWN BY: JMT	GROUP DELTA	GROUP DELTA CONSULTANTS, INC 370 Amapola Ave. Suite 212 Torrance, CA. 90501	EARTHQUAKE ZONES OF REQUIRED INVESTIGATION MAP GARFIELD HIGH SCHOOL 5101 E 6TH ST., LOS ANGELES, CA
REVIEWED BY: MAS	APPROVED BY: PK			
PREPARED BY: -				

PROJECT NUMBER: LA15553
SCALE: AS SHOWN
FIGURE NUMBER: 6

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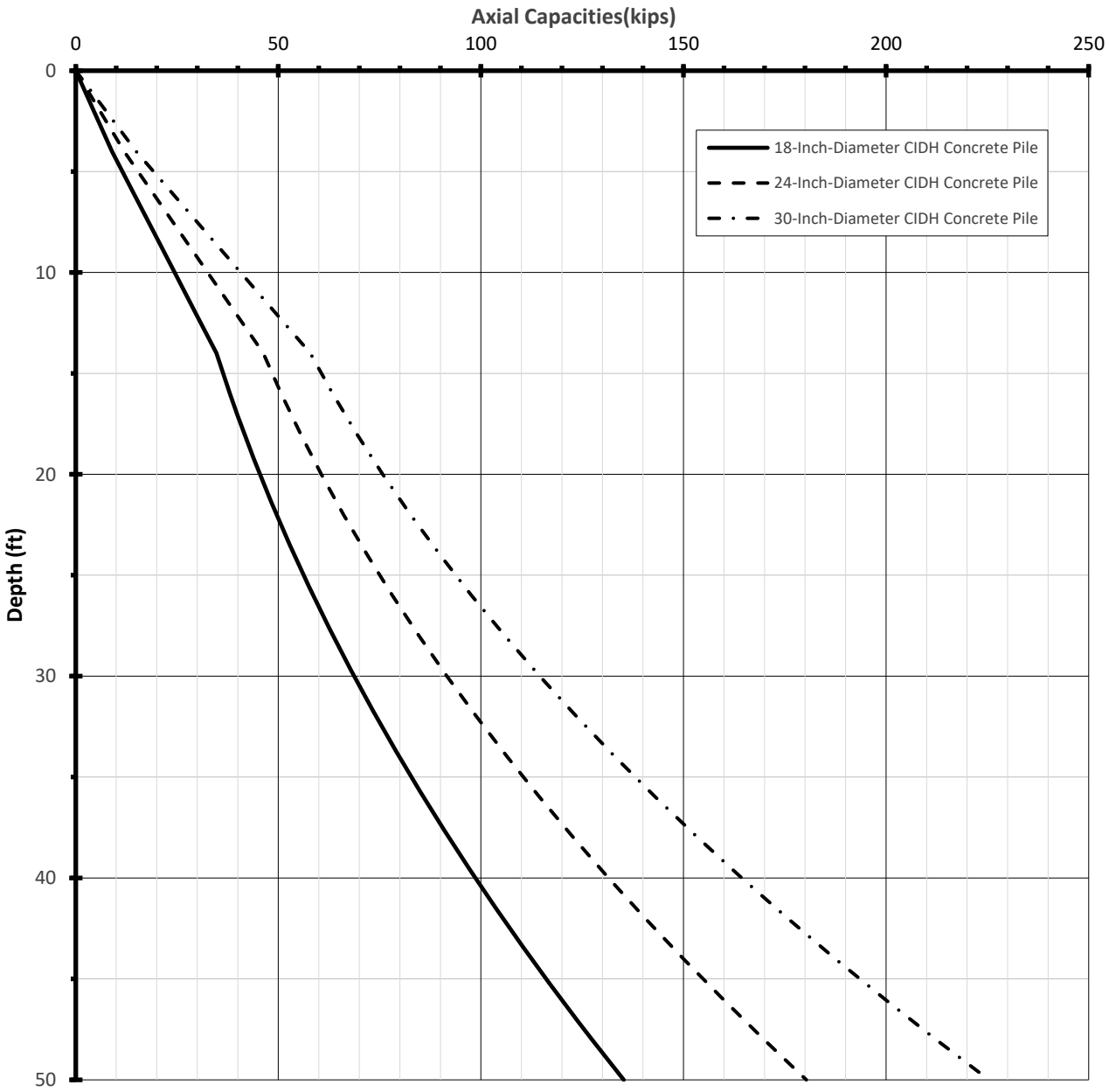
ALLOWABLE DOWNWARD AXIAL CAPACITIES



NOTE:

(1) The indicated values refer to the total of dead plus live loads; a one-third increase may be used when considering wind or seismic loads.

(2) Piles in groups should be spaced a minimum of 3 pile diameters on centers.

(3) The indicated values are based on the strength of the soils; the actual pile capacities may be limited to lesser values by the strength of the piles.

(4) For ultimate design, the indicated values may be multiplied by a Factor of Safety (FS) of 2.0.

GROUP DELTA

ALLOWABLE PILE DOWNWARD CAPACITIES

LAUSD Garfield High School
LOS ANGELES, CALIFORNIA

PROJECT NUMBER:	FIGURE NUMBER:
LA1553	**7.1**

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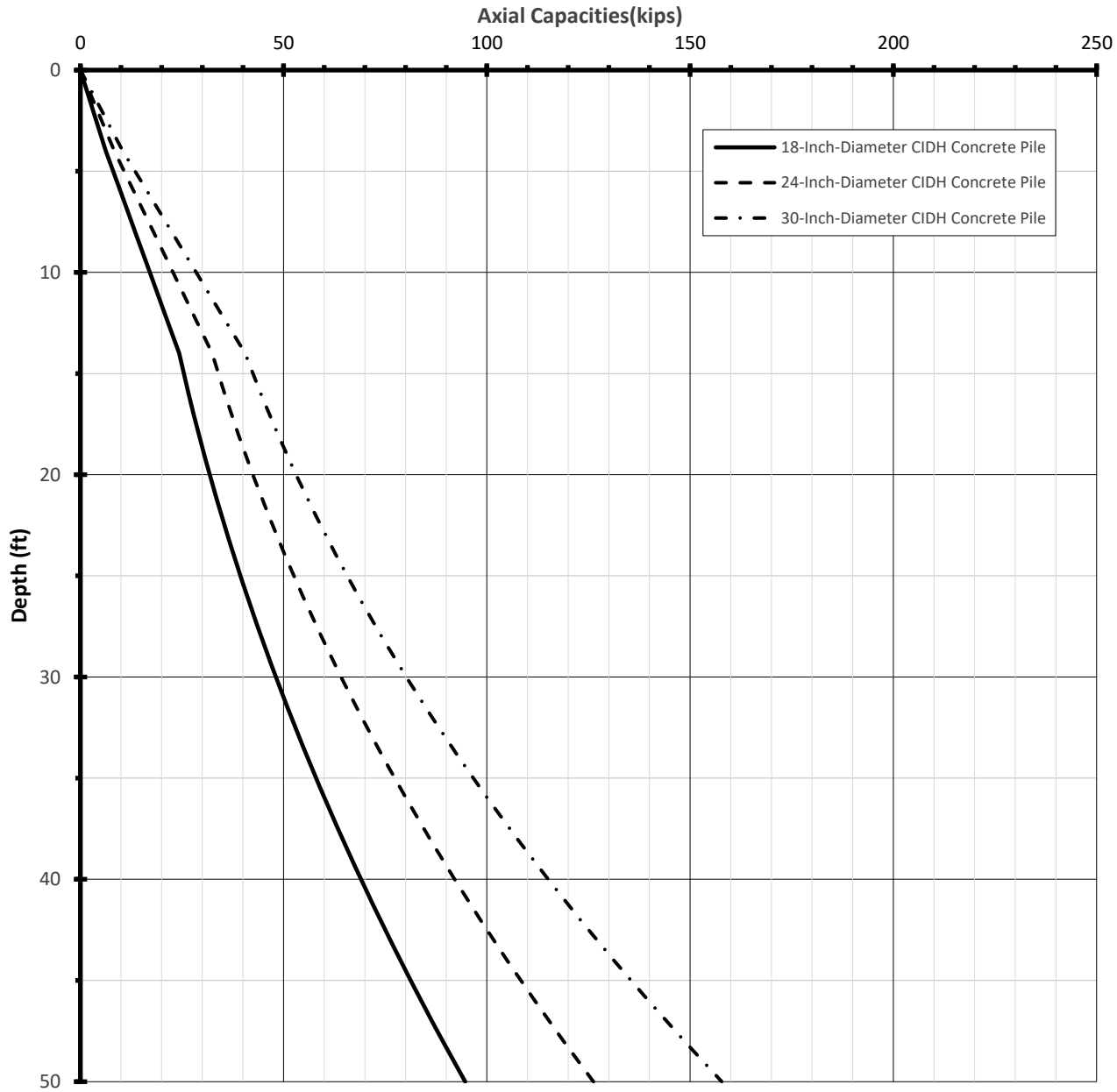
370 Amapola Ave. Suite 212, Torrance, CA 90501

ALLOWABLE UPWARD AXIAL CAPACITIES



NOTE:

(1) The indicated values refer to the total of dead plus live loads; a one-third increase may be used when considering wind or seismic loads.

(2) Piles in groups should be spaced a minimum of 3 pile diameters on centers.

(3) The indicated values are based on the strength of the soils; the actual pile capacities may be limited to lesser values by the strength of the piles.

(4) For ultimate design, the indicated values may be multiplied by a Factor of Safety (FS) of 2.0.

GROUP DELTA

ALLOWABLE PILE CAPACITIES

LAUSD Garfield High School
LOS ANGELES, CALIFORNIA

PROJECT NUMBER:	FIGURE NUMBER:
LA1553	**7.2**

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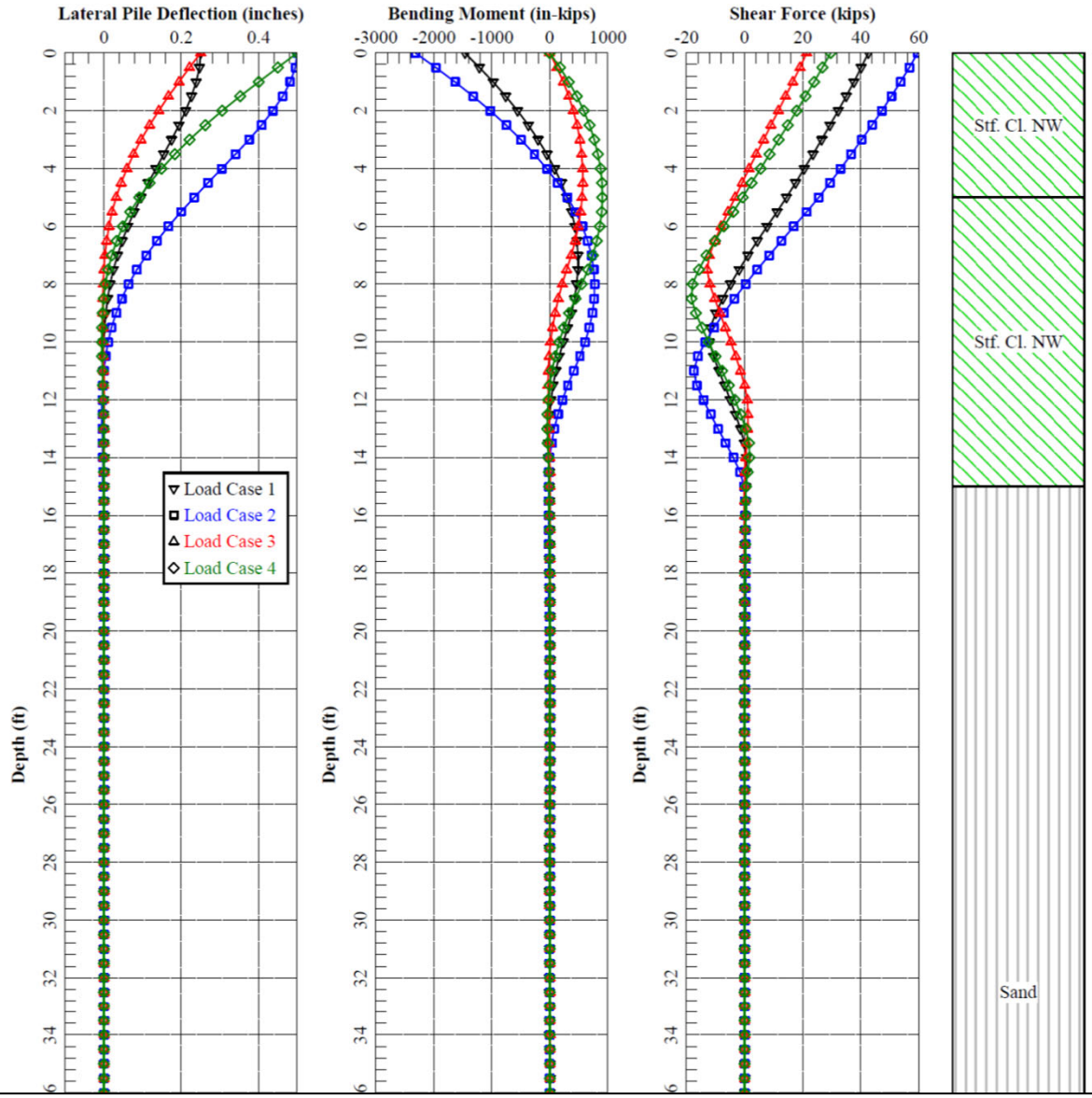

NOTE:

1. LOAD CASE 1: 0.25” Pile HeadDeflection, Fixed Head
   LOAD CASE 2: 0.5” Pile Head Deflection, Fixed Head
   LOAD CASE 3: 0.25” Pile Head Deflection, Free Head
   LOAD CASE 4: 0.5” Pile Head Deflection, Free Head
2. For piles in groups spaced as shown below and at least 3 pile diameters on centers, no reduction in the lateral capacities need be considered for the first (leading) row of piles in the direction perpendicular to loading.
3. The lateral capacity of piles in groups, except for the first row of piles, spaced at 3 pile diameters on centers, may be assumed to be reduced by half. The reduction of lateral capacity in the direction of loading for other pile spacing may be interpolated.

GROUP DELTA

PILE LATERAL CAPACITIES
18-Inch-Diameter CIDH Concrete Pile

LAUSD Garfield High School
LOS ANGELES, CALIFORNIA

PROJECT NUMBER:	FIGURE NUMBER:
LA1553	**8.1**

GROUP DELTA CONSULTANTS, INC
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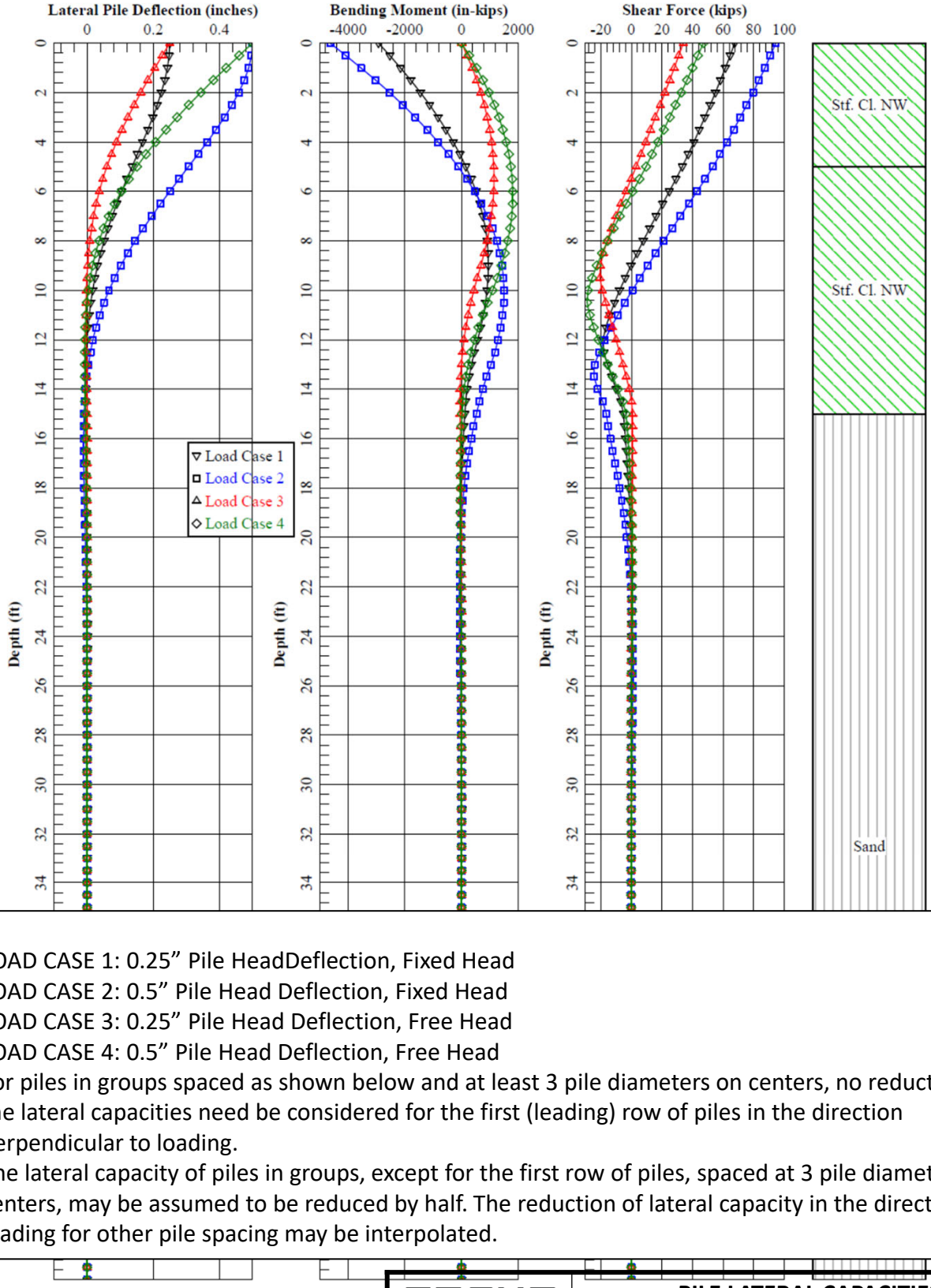


NOTE:

1. LOAD CASE 1: 0.25” Pile HeadDeflection, Fixed Head
   LOAD CASE 2: 0.5” Pile Head Deflection, Fixed Head
   LOAD CASE 3: 0.25” Pile Head Deflection, Free Head
   LOAD CASE 4: 0.5” Pile Head Deflection, Free Head
2. For piles in groups spaced as shown below and at least 3 pile diameters on centers, no reduction in the lateral capacities need be considered for the first (leading) row of piles in the direction perpendicular to loading.
3. The lateral capacity of piles in groups, except for the first row of piles, spaced at 3 pile diameters on centers, may be assumed to be reduced by half. The reduction of lateral capacity in the direction of loading for other pile spacing may be interpolated.

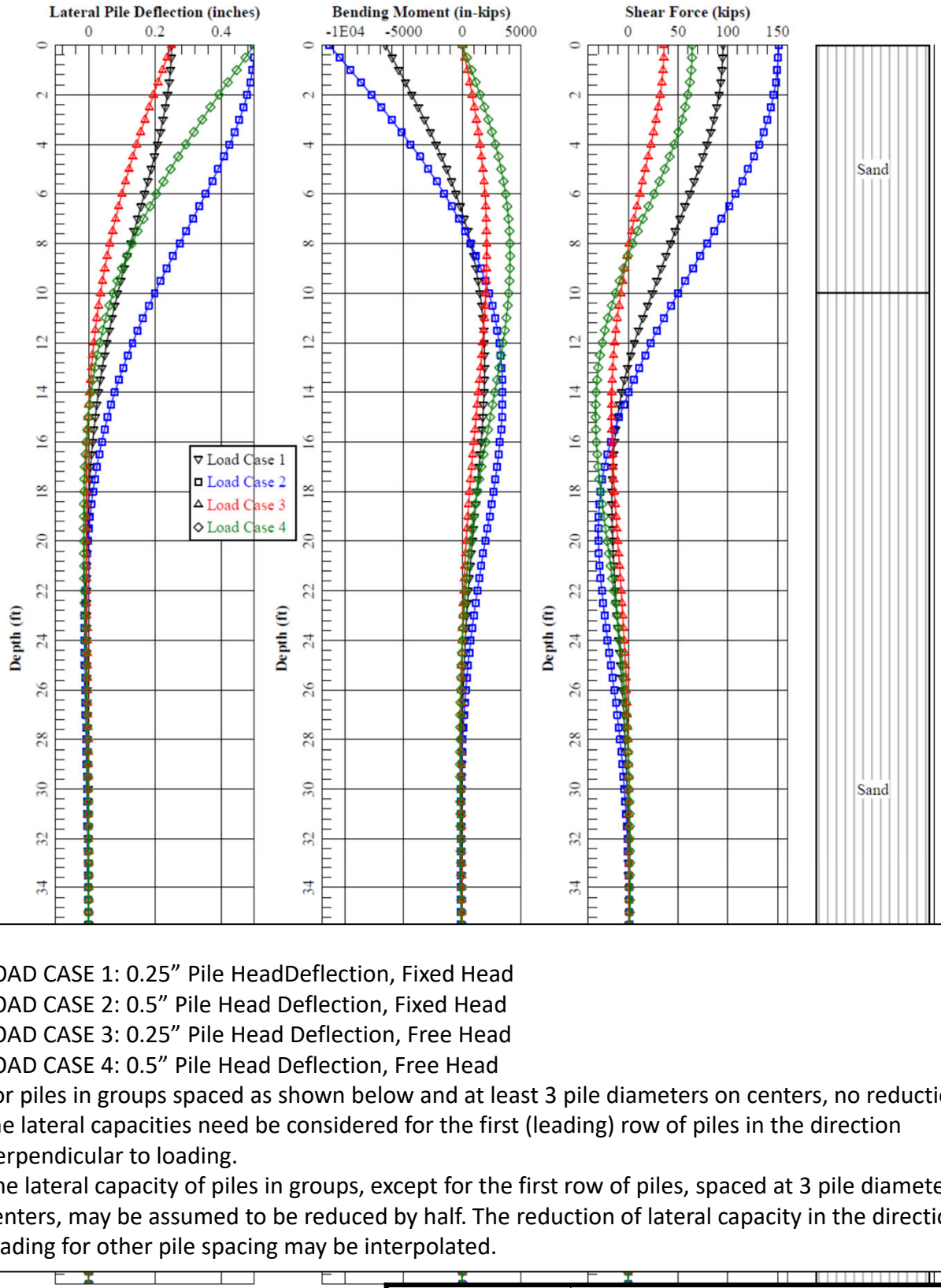
GROUP DELTA

PILE LATERAL CAPACITIES
24-Inch-Diameter CIDH Concrete Pile

LAUSD Garfield High School
LOS ANGELES, CALIFORNIA

PROJECT NUMBER:	FIGURE NUMBER:
LA1553	**8.2**

GROUP DELTA CONSULTANTS, INC
370 Amapola Ave. Suite 212, Torrance, CA 90501



NOTE:

1. LOAD CASE 1: 0.25” Pile HeadDeflection, Fixed Head
   LOAD CASE 2: 0.5” Pile Head Deflection, Fixed Head
   LOAD CASE 3: 0.25” Pile Head Deflection, Free Head
   LOAD CASE 4: 0.5” Pile Head Deflection, Free Head
2. For piles in groups spaced as shown below and at least 3 pile diameters on centers, no reduction in the lateral capacities need be considered for the first (leading) row of piles in the direction perpendicular to loading.
3. The lateral capacity of piles in groups, except for the first row of piles, spaced at 3 pile diameters on centers, may be assumed to be reduced by half. The reduction of lateral capacity in the direction of loading for other pile spacing may be interpolated.

GROUP DELTA

PILE LATERAL CAPACITIES
30-Inch-Diameter CIDH Concrete Pile

LAUSD Garfield High School
LOS ANGELES, CALIFORNIA

PROJECT NUMBER:	FIGURE NUMBER:
LA1553	**8.3**

GROUP DELTA CONSULTANTS, INC
370 Amapola Ave. Suite 212, Torrance, CA 90501

APPENDIX A – FIELD EXPLORATIONS

APPENDIX A
CURRENT FIELD INVESTIGATION

A.1 Introduction

A current geotechnical subsurface investigation was conducted by Group Delta for the preliminary geotechnical study at Garfield High School in Los Angeles on January 6, January 7, and October 29 of 2022 for comprehensive modernization of the school infrastructures. The investigation consisted of five (5) hollow stem auger borings, one (1) hand auger boring, and five (5) cone penetration tests (CPT). The exploration locations and numbers are shown in Figure 2 of the main report. A summary table of Group Delta's investigation is provided in Table A-1.

A.2 Soil Borings

Five hollow stem auger (HSA) borings were advanced from the ground surface to a depth of 30.5 feet to 61.5 feet and one hand auger boring was advanced to a depth of 11 feet from the ground surface. Subsurface materials were visually classified and recorded by Group Delta's field engineer in accordance with the Unified Soil Classification System (USCS).

Drive samples and bulk samples of the encountered materials were obtained from the borings and recorded on the boring logs. Drive samples were obtained with a Modified California Sampler lined with 1-inch-high brass rings. The Modified California Sampler has an outside diameter of 3-inches, and the inside diameter of the rings is 2.42-inches. The samples retained in brass rings were placed in sealed plastic canisters to prevent moisture loss. For HSA borings, Modified California samplers were driven into the soil at the bottom of the borehole using a 140-pound hammer free-falling 30 inches. The penetration resistance (or "blowcount") in blows per six inches of driving was recorded on the logs. For hand auger borings the Modified California samplers were driven with a slide hammer operated manually. Bulk samples were obtained by a shovel and placed into polyethylene bags.

A key for soil classification and a boring record legend are presented in Figures A-1a to A-1c and A-2a to A-2b, respectively. The boring logs are presented in Figures A-3a to A-8.

A.3 Cone Penetration Tests (CPT)

Five cone penetration tests (CPT) were conducted at the site. The CPTs were advanced to a depth of about 30 feet to 60 feet below the existing grade. The CPTs were performed in general accordance with ASTM D3441, using a truck-mounted electric piezocone penetrometer.

CPTs were advanced from the ground surface with a truck-mounted hydraulic ram that pushes a steel rod with a conical tip and a cylindrical friction sleeve into the ground. The conical tip has a 60-degree apex angle and a projected cross-sectional area of 1.55 square inches. The cylindrical

friction sleeve has a surface area of 23.25 square inches. Both the tip and the sleeve have outside diameters of 1.4 inches.

As the rod is advanced, electronic instruments measured and recorded both the tip resistance and the frictional resistance on the sleeve. The tip and frictional resistance were then analyzed, using available correlations, to estimate soil classification, density, strength, and compressibility of the subsurface materials. Unlike soil borings, in which drive samples are typically taken at discrete intervals, the CPT provides a continuous record of soil properties with depth. Hence, the CPT can define the subsurface soil profile with much higher resolution than a soil boring, often detecting thin layers that are easily missed with conventional drilling and sampling.

Shear wave velocity measurements versus depth were made in CPTs to the depth of 15 feet at 5 feet intervals in all CPTs and the measurement was extended to the depth of 50 feet in one CPT. After every 5 feet of penetration, the probe was stopped, a shear wave was generated at the ground surface, and the arrival of the shear wave was detected by the CPT probe. The arrival times of the shear waves were used to calculate the shear wave velocity versus depth.

The CPT logs and the shear wave velocity data are presented in Figures 9 to 13.

A.4 List of Attached Tables and Figures

The following table and figures are attached and complete this appendix:

Table A-1	Summary of Group Delta's Current Field Explorations
Figures A-1A to A-1C	Boring Record Legend
Figures A-2A to A-2B	Key for Soil Classification
Figures A-3a to A-8	Current Boring Logs
Figures A-9 to A-13	Current CPT Logs
Figure A-14	Shear wave measurement

Table A-1
Summary of Current Field Explorations

Exploration No.	Date Performed	Ground Surface Elevation (feet)	Total Depth (ft)	Groundwater Depth (ft)	Exploration Type
B-1	1/6/2022	207	50.92	NE	HSA
B-2	1/6/2022	213	51.50	NE	HSA
B-3	1/6/2022	211	30.50	NE	HSA
B-4	1/7/2022	209	31.50	NE	HSA
B-5	1/7/2022	221	61.50	NE	HSA
B-6	10/29/2022	210	11.0	NE	Hand Auger
CPT-1	1/7/2022	210	60.31	NE	CPT
CPT-2	1/7/2022	220	33.27	NE	CPT
CPT-3	1/7/2022	208	49.28	NE	CPT
SCPT-4	1/7/2022	213	49.88	NE	CPT
CPT-5	1/7/2022	210	48.10	NE	CPT

Notes:

1. NE = not encountered; HSA = hollow stem auger; CPT = cone penetration test; SCPT = seismic cone penetration test
2. Ground surface elevations are approximate and obtained via Google Earth

SOIL IDENTIFICATION AND DESCRIPTION SEQUENCE

Sequence		Refer to Section		Required	Optional
		Field	Lab		
1	Group Name	2.5.2	3.2.2	●	
2	Group Symbol	2.5.2	3.2.2	●	
	Description Components				
3	Consistency of Cohesive Soil	2.5.3	3.2.3	●	
4	Apparent Density of Cohesionless Soil	2.5.4		●	
5	Color	2.5.5		●	
6	Moisture	2.5.6		●	
7	Percent or Proportion of Soil	2.5.7	3.2.4	●	◍
	Particle Size	2.5.8	2.5.8	●	◍
	Particle Angularity	2.5.9			○
	Particle Shape	2.5.10			○
8	Plasticity (for fine-grained soil)	2.5.11	3.2.5		○
9	Dry Strength (for fine-grained soil)	2.5.12			○
10	Dilatency (for fine-grained soil)	2.5.13			○
11	Toughness (for fine-grained soil)	2.5.14			○
12	Structure	2.5.15			○
13	Cementation	2.5.16		●	
14	Percent of Cobbles and Boulders	2.5.17		●	
	Description of Cobbles and Boulders	2.5.18		●	
15	Consistency Field Test Result	2.5.3		●	
16	Additional Comments	2.5.19			○

Describe the soil using descriptive terms in the order shown

Minimum Required Sequence:

USCS Group Name (Group Symbol); Consistency or Density; Color; Moisture; Percent or Proportion of Soil; Particle Size; Plasticity (optional).

◍ = optional for non-Caltrans projects

Where applicable:

Cementation; % cobbles & boulders;
Description of cobbles & boulders;
Consistency field test result

Ref.: Caltrans Soil and Rock Logging Classification, and Presentation Manual (2010)

HOLE IDENTIFICATION

Holes are identified using the following convention:

H-YY-NNN

Where:
H: Hole Type Code
YY: 2-digit year
NNN: 3-digit number (001-999)

Hole Type Code	Description
A	Auger boring (hollow or solid stem, bucket)
R	Rotary drilled boring (conventional)
RC	Rotary core (self-cased wire-line, continuously-sampled)
RW	Rotary core (self-cased wire-line, not continuously sampled)
P	Rotary percussion boring (Air)
HD	Hand driven (1-inch soil tube)
HA	Hand auger
D	Driven (dynamic cone penetrometer)
CPT	Cone Penetration Test
O	Other (note on LOTB)

Description Sequence Examples:

SANDY lean CLAY (CL); very stiff; yellowish brown; moist; mostly fines; some SAND, from fine to medium; few gravels; medium plasticity; PP=2.75.

Well-graded SAND with SILT and GRAVEL and COBBLES (SW-SM); dense; brown; moist; mostly SAND, from fine to coarse; some fine GRAVEL; few fines; weak cementation; 10% GRANITE COBBLES; 3 to 6 inches; hard; subrounded.

Clayey SAND (SC); medium dense, light brown; wet; mostly fine sand,; little fines; low plasticity.

GROUP DELTA

GROUP DELTA CONSULTANTS, INC.
GEOTECHNICAL ENGINEERS AND GEOLOGISTS

FIGURE NUMBER
A-1A

PROJECT NAME
Garfield High School Comprehensive Modernization

PROJECT NUMBER
LA1553

BORING RECORD LEGEND #1

GROUP SYMBOLS AND NAMES

Graphic / Symbol	Group Names
GW	Well-graded GRAVEL Well-graded GRAVEL with SAND
GP	Poorly graded GRAVEL Poorly graded GRAVEL with SAND
GW-GM	Well-graded GRAVEL with SILT Well-graded GRAVEL with SILT and SAND
GW-GC	Well-graded GRAVEL with CLAY (or SILTY CLAY) Well-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)
GP-GM	Poorly graded GRAVEL with SILT Poorly graded GRAVEL with SILT and SAND
GP-GC	Poorly graded GRAVEL with CLAY (or SILTY CLAY) Poorly graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)
GM	SILTY GRAVEL SILTY GRAVEL with SAND
GC	CLAYEY GRAVEL CLAYEY GRAVEL with SAND
GC-GM	SILTY, CLAYEY GRAVEL SILTY, CLAYEY GRAVEL with SAND
SW	Well-graded SAND Well-graded SAND with GRAVEL
SP	Poorly graded SAND Poorly graded SAND with GRAVEL
SW-SM	Well-graded SAND with SILT Well-graded SAND with SILT and GRAVEL
SW-SC	Well-graded SAND with CLAY (or SILTY CLAY) Well-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)
SP-SM	Poorly graded SAND with SILT Poorly graded SAND with SILT and GRAVEL
SP-SC	Poorly graded SAND with CLAY (or SILTY CLAY) Poorly graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)
SM	SILTY SAND SILTY SAND with GRAVEL
SC	CLAYEY SAND CLAYEY SAND with GRAVEL
SC-SM	SILTY, CLAYEY SAND SILTY, CLAYEY SAND with GRAVEL
PT	PEAT
	COBBLES COBBLES and BOULDERS BOULDERS

Graphic / Symbol	Group Names
CL	Lean CLAY Lean CLAY with SAND Lean CLAY with GRAVEL SANDY lean CLAY SANDY lean CLAY with GRAVEL GRAVELLY lean CLAY GRAVELLY lean CLAY with SAND
CL-ML	SILTY CLAY SILTY CLAY with SAND SILTY CLAY with GRAVEL SANDY SILTY CLAY SANDY SILTY CLAY with GRAVEL GRAVELLY SILTY CLAY GRAVELLY SILTY CLAY with SAND
ML	SILT SILT with SAND SILT with GRAVEL SANDY SILT SANDY SILT with GRAVEL GRAVELLY SILT GRAVELLY SILT with SAND
OL	ORGANIC lean CLAY ORGANIC lean CLAY with SAND ORGANIC lean CLAY with GRAVEL SANDY ORGANIC lean CLAY SANDY ORGANIC lean CLAY with GRAVEL GRAVELLY ORGANIC lean CLAY GRAVELLY ORGANIC lean CLAY with SAND
OL	ORGANIC SILT ORGANIC SILT with SAND ORGANIC SILT with GRAVEL SANDY ORGANIC SILT SANDY ORGANIC SILT with GRAVEL GRAVELLY ORGANIC SILT GRAVELLY ORGANIC SILT with SAND
CH	Fat CLAY Fat CLAY with SAND Fat CLAY with GRAVEL SANDY fat CLAY SANDY fat CLAY with GRAVEL GRAVELLY fat CLAY GRAVELLY fat CLAY with SAND
MH	Elastic SILT Elastic SILT with SAND Elastic SILT with GRAVEL SANDY elastic SILT SANDY elastic SILT with GRAVEL GRAVELLY elastic SILT GRAVELLY elastic SILT with SAND
OH	ORGANIC fat CLAY ORGANIC fat CLAY with SAND ORGANIC fat CLAY with GRAVEL SANDY ORGANIC fat CLAY SANDY ORGANIC fat CLAY with GRAVEL GRAVELLY ORGANIC fat CLAY GRAVELLY ORGANIC fat CLAY with SAND
OH	ORGANIC elastic SILT ORGANIC elastic SILT with SAND ORGANIC elastic SILT with GRAVEL SANDY elastic ELASTIC SILT SANDY ORGANIC elastic SILT with GRAVEL GRAVELLY ORGANIC elastic SILT GRAVELLY ORGANIC elastic SILT with SAND
OL/OH	ORGANIC SOIL ORGANIC SOIL with SAND ORGANIC SOIL with GRAVEL SANDY ORGANIC SOIL SANDY ORGANIC SOIL with GRAVEL GRAVELLY ORGANIC SOIL GRAVELLY ORGANIC SOIL with SAND

FIELD AND LABORATORY TESTS

C	Consolidation (ASTM D 2435-04)
CL	Collapse Potential (ASTM D 5333-03)
CP	Compaction Curve (CTM 216 - 06)
CR	Corrosion, Sulfates, Chlorides (CTM 643 - 99; CTM 417 - 06; CTM 422 - 06)
CU	Consolidated Undrained Triaxial (ASTM D 4767-02)
DS	Direct Shear (ASTM D 3080-04)
EI	Expansion Index (ASTM D 4829-03)
M	Moisture Content (ASTM D 2216-05)
OC	Organic Content (ASTM D 2974-07)
P	Permeability (CTM 220 - 05)
PA	Particle Size Analysis (ASTM D 422-63 [2002])
PI	Liquid Limit, Plastic Limit, Plasticity Index (AASHTO T 89-02, AASHTO T 90-00)
PL	Point Load Index (ASTM D 5731-05)
PM	Pressure Meter
PP	Pocket Penetrometer
R	R-Value (CTM 301 - 00)
SE	Sand Equivalent (CTM 217 - 99)
SG	Specific Gravity (AASHTO T 100-06)
SL	Shrinkage Limit (ASTM D 427-04)
SW	Swell Potential (ASTM D 4546-03)
TV	Pocket Torvane
UC	Unconfined Compression - Soil (ASTM D 2166-06) Unconfined Compression - Rock (ASTM D 2938-95)
UU	Unconsolidated Undrained Triaxial (ASTM D 2850-03)
UW	Unit Weight (ASTM D 4767-04)
VS	Vane Shear (AASHTO T 223-96 [2004])

SAMPLER GRAPHIC SYMBOLS

- Standard Penetration Test (SPT)
- Standard California Sampler
- Modified California Sampler
- Shelby Tube
- Piston Sampler
- NX Rock Core
- HQ Rock Core
- Bulk Sample
- Other (see remarks)

DRILLING METHOD SYMBOLS

- Auger Drilling
- Rotary Drilling
- Dynamic Cone or Hand Driven
- Diamond Core

WATER LEVEL SYMBOLS

- First Water Level Reading (during drilling)
- Static Water Level Reading (after drilling, date)

DEFINITIONS FOR CHANGE IN MATERIAL

Term	Definition	Symbol
Material Change	Change in material is observed in the sample or core, and the location of change can be accurately measured.	———
Estimated Material Change	Change in material cannot be accurately located because either the change is gradational or because of limitations in the drilling/sampling methods used.	- - - - - - - -
Soil/Rock Boundary	Material changes from soil characteristics to rock characteristics.	~~~~~

Ref.: Caltrans Soil and Rock Logging Classification, and Presentation Manual (2010)

GROUP DELTA

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FIGURE NUMBER
A-1B

PROJECT NAME
Garfield High School Comprehensive Modernization

PROJECT NUMBER
LA1553

BORING RECORD LEGEND #2

CONSISTENCY OF COHESIVE SOILS

Descriptor	Shear Strength (tsf)	Pocket Penetrometer, PP Measurement (tsf)	Torvane, TV. Measurement (tsf)	Vane Shear, VS. Measurement (tsf)
Very Soft	< 0.12	< 0.25	< 0.12	< 0.12
Soft	0.12 - 0.25	0.25 - 0.50	0.12 - 0.25	0.12 - 0.25
Medium Stiff	0.25 - 0.50	0.50 - 1.0	0.25 - 0.50	0.25 - 0.50
Stiff	0.50 - 1.0	1.0 - 2.0	0.50 - 1.0	0.50 - 1.0
Very Stiff	1.0 - 2.0	2.0 - 4.0	1.0 - 2.0	1.0 - 2.0
Hard	> 2.0	> 4.0	> 2.0	> 2.0

APPARENT DENSITY OF COHESIONLESS SOILS

Descriptor	SPT N_{60} - Value (blows / foot)
Very Loose	0 - 5
Loose	5 - 10
Medium Dense	10 - 30
Dense	30 - 50
Very Dense	> 50

MOISTURE

Descriptor	Criteria
Dry	No discernable moisture
Moist	Moisture present, but no free water
Wet	Visible free water

PERCENT OR PROPORTION OF SOILS

Descriptor	Criteria
Trace	Particles are present but estimated to be less than 5%
Few	5 to 10%
Little	15 to 25%
Some	30 to 45%
Mostly	50 to 100%

PARTICLE SIZE

Descriptor		Size (in)
Boulder		> 12
Cobble		3 - 12
Gravel	Coarse	3/4 - 3
	Fine	1/5 - 3/4
Sand	Coarse	1/16 - 1/5
	Medium	1/64 - 1/16
	Fine	1/300 - 1/64
Silt and Clay		< 1/300

PLASTICITY OF FINE-GRAINED SOILS

Descriptor	Criteria
Nonplastic	A 1/8-inch thread cannot be rolled at any water content.
Low	The thread can barely be rolled, and the lump cannot be formed when drier than the plastic limit.
Medium	The thread is easy to roll, and not much time is required to reach the plastic limit; it cannot be rerolled after reaching the plastic limit. The lump crumbles when drier than the plastic limit.
High	It takes considerable time rolling and kneading to reach the plastic limit. The thread can be rerolled several times after reaching the plastic limit. The lump can be formed without crumbling when drier than the plastic limit.

CONSISTENCY OF COHESIVE SOILS VS. N_{60}

Description	SPT N_{60} (blows / foot)
Very Soft	0 - 2
Soft	2 - 4
Medium Stiff	4 - 8
Stiff	8 - 15
Very Stiff	15 - 30
Hard	> 30

Ref: Peck, Hansen, and Thornburn, 1974, "Foundation Engineering", Second Edition

Note: Only to be used (with caution) when pocket penetrometer or other data on undrained shear strength are unavailable. Not allowed by Caltrans Soil and Rock Logging and Classificaton Manual, 2010

CEMENTATION

Descriptor	Criteria
Weak	Crumbles or breaks with handling or little finger pressure.
Moderate	Crumbles or breaks with considerable finger pressure.
Strong	Will not crumble or break with finger pressure.

Ref.: Caltrans Soil and Rock Logging Classification, and Presentation Manual (2010), with the exception of consistency of cohesive soils vs. N_{60}.

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FIGURE NUMBER **A-1C**

PROJECT NAME
Garfield High School Comprehensive Modernization

PROJECT NUMBER
LA1553

BORING RECORD LEGEND #3

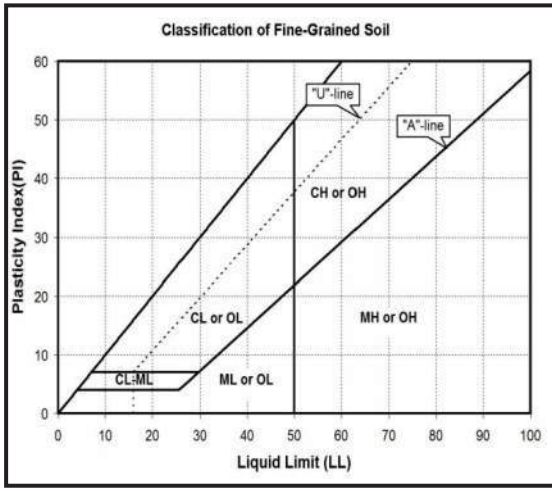
CLASSIFICATION OF INORGANIC FINE GRAINED SOILS (Soils with ≥50% finer than No. 200 Sieve)

GROUP SYMBOL				GROUP NAME
CL	<30% plus No. 200	<15% plus No. 200		Lean clay
		15-25% plus No. 200	%sand ≥%gravel	Lean clay with sand
			%sand <%gravel	Lean clay with gravel
	≥30% plus No. 200	% sand ≥ % gravel	<15% gravel	Sandy lean clay
			≥15% gravel	Sandy lean clay with gravel
		% sand < % gravel	<15% sand	Gravelly lean clay
			≥15% sand	Gravelly lean clay with sand
ML	<30% plus No. 200	<15% plus No. 200		Silt
		15-25% plus No. 200	%sand ≥%gravel	Silt with sand
			%sand <%gravel	Silt with gravel
	≥30% plus No. 200	% sand ≥ % gravel	<15% gravel	Sandy silt
			≥15% gravel	Sandy silt with gravel
		% sand < % gravel	<15% sand	Gravelly silt
			≥15% sand	Gravelly silt with sand
CH	<30% plus No. 200	<15% plus No. 200		Fat clay
		15-25% plus No. 200	%sand ≥%gravel	Fat clay with sand
			%sand <%gravel	Fat clay with gravel
	≥30% plus No. 200	% sand ≥ % gravel	<15% gravel	Sandy fat clay
			≥15% gravel	Sandy fat clay with gravel
		% sand < % gravel	<15% sand	Gravelly fat clay
			≥15% sand	Gravelly fat clay with sand
MH	<30% plus No. 200	<15% plus No. 200		Elastic silt
		15-25% plus No. 200	%sand ≥%gravel	Elastic silt with sand
			%sand <%gravel	Elastic silt with gravel
	≥30% plus No. 200	% sand ≥ % gravel	<15% gravel	Sandy elastic silt
			≥15% gravel	Sandy elastic silt with gravel
		% sand < % gravel	<15% sand	Gravelly elastic silt
			≥15% sand	Gravelly elastic silt with sand

Reference:
ASTM D 2487 and 2488

Laboratory Classification of Clay and Silt

REFERENCE: Caltrans Soil and Rock Logging, Classification, and Presentation Manual (2010).



CL: LL<50; above A-Line.

CH: LL≥50; above A-Line.

ML: LL<50; below A-Line, or PI<4, or Non-Plastic

MH: LL≥50; below A-Line.

CL-ML: above A-Line and PI=4 to 7

CL/CH, ML/MH: at or near LL=50

ML/CL, MH/CH: at or near the A-Line

Field Identification of Clays and Silts

Group Symbol	Dry Strength	Dilatancy	Toughness	Plasticity
ML	None to low	Slow to rapid	Low or thread cannot be formed	Low to nonplastic
CL	Medium to high	None to slow	Medium	Medium
MH	Low to medium	None to slow	Low to medium	Low to medium
CH	High to very high	None	High	High

GROUP DELTA

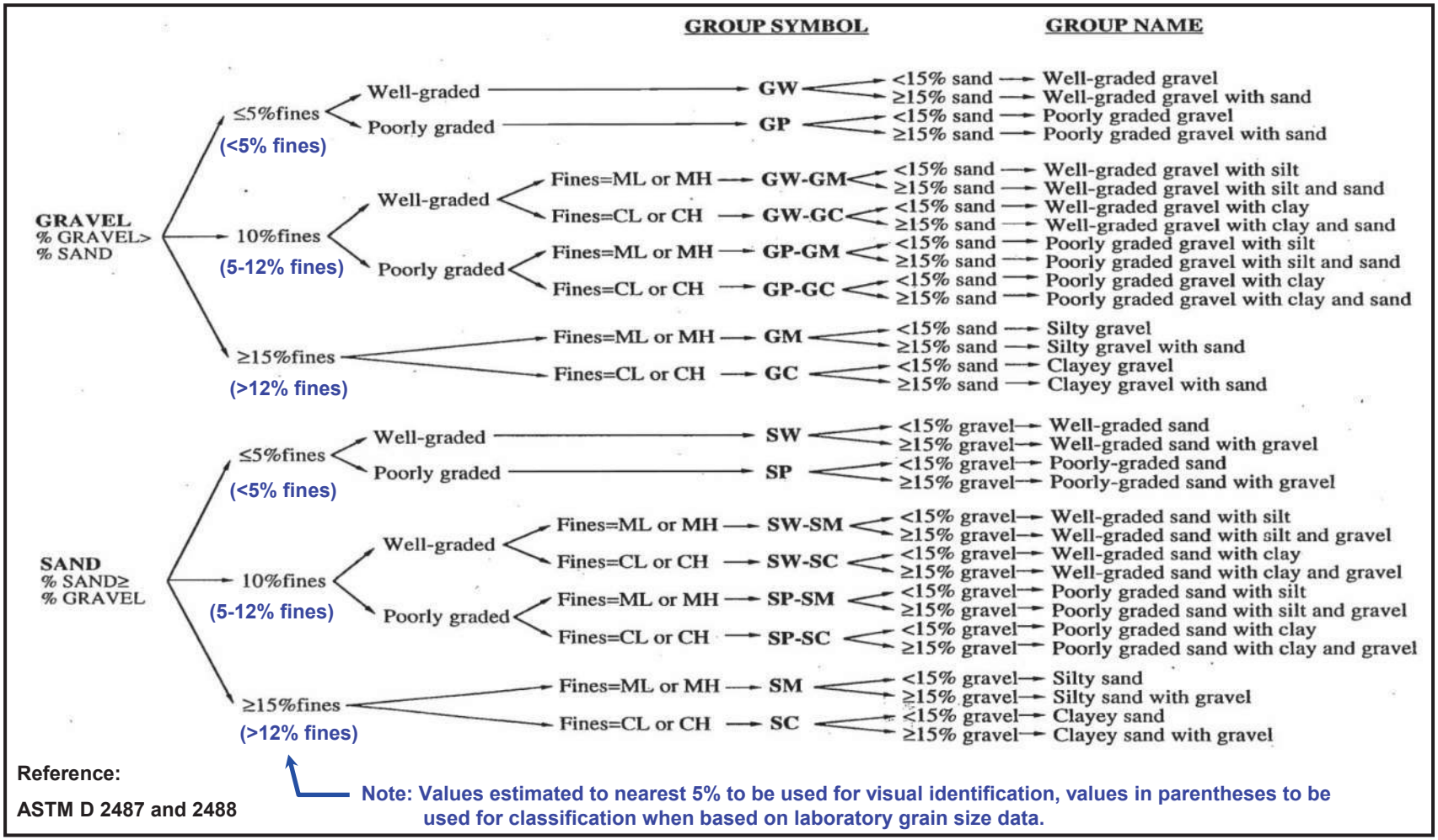
Group Delta Project No. LA1553

Garfield High School Comprehensive Modernization
Los Angeles, CA

KEY FOR SOIL CLASSIFICATION #1

Figure A-2A

CLASSIFICATION OF COARSE-GRAINED SOILS (Soils with <50% "fines" passing No. 200 Sieve)



Reference:

ASTM D 2487 and 2488

Note: Values estimated to nearest 5% to be used for visual identification, values in parentheses to be used for classification when based on laboratory grain size data.

Granular Soil Gradation Parameters

Coefficient of Uniformity: $C_u = D_{60}/D_{10}$

Coefficient of Curvature: $Cc = D_{30}^2 / (D_{60} \times D_{10})$

D_{10} = 10% of soil is finer than this diameter

D_{30} = 30% of soil is finer than this diameter

D_{60} = 60% of soil is finer than this diameter

Group Symbol	Gradation or Plasticity Requirement
SW	$C_u > 6$ and $1 \leq C_c \leq 3$
GW	$C_u > 4$ and $1 \leq C_c \leq 3$
GP or SP	Clean gravel or sand not meeting requirement for SW or GW
SM or GM	Non-plastic fines or below A-Line or PI<4
SC or GC	Plastic fines or above A-Line and PI>7

GROUP DELTA

Group Delta Project No. LA1553

Garfield High School Comprehensive Modernization
Los Angeles, CA

KEY FOR SOIL CLASSIFICATION #2

Figure A-2B

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-1**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/6/2022	1/6/2022	1 of 3

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	50.92	207	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
	205		BULK-1						17		38:22	CR			ASPHALT (4.25") NO BASE. **Artificial Fill (af)** SANDY lean CLAY;dark brown; moist; little SAND; medium plasticity.
5			R-1	4 4 7	11	9			19	110		DS			**ALLUVIUM** SANDY lean CLAY (CL); very stiff to hard; dark brown; moist; little SAND; medium plasticity. PP = 4.0 tsf to greater than 4.5 tsf.
	200														
10			R-2	12 19 31	50	42			19	112		C			
	195														
15			R-3	11 11 16	27	23			13	107					SILTY SAND (SM); medium dense; yellowish brown; moist; mostly fine SAND; little SILT.
	190														
20			R-4	9 15 20	35	29			7	106					Medium dense; little SILT.
	185														

BORING LOG_AP_2019_LA1553.GPJ GDC2013.GDT 1/21/22

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THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE

A-3 a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-1**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/6/2022	1/6/2022	2 of 3

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	50.92	207	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			R-5	14 22 35	57	48									Dense; mostly coarse to fine SAND; little GRAVEL; fine to coarse; rounded; little SILT.
	180														
30			R-6	13 23 37	60	50									Very dense; mostly coarse to fine; little SILT.
	175														CLAYEY SAND (SC); dense; yellowish brown; most; mostly fine SAND.
35			R-7-1 R-7-2	12 16 30	46	39									SILTY SAND (SM); dense; yellowish brown; moist; mostly fine SAND.
	170														
40			R-8	13 21 22	43	36						PA			SANDY SILT (ML); dense; biotite flecks visible. FINES 56%; SAND 44%.
	165														
45			R-9	9 15 22	37	31									CLAYEY SAND (SC); dense; yellowish brown; moist; mostly fine SAND; trace fine GRAVEL; rounded; little CLAY.
	160														

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FIGURE

A-3 b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-1**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/6/2022	1/6/2022	3 of 3

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	50.92	207	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			R-10	44 50/5	94/11	94/11									Very dense; reddish brown; mostly medium to fine SAND; little CLAY.
	155														
55															The boring was terminated at the depth of 50.92 feet below existing grade. Groundwater was not encountered. The borehole was backfilled with cement grout.
	150														
60															
	145														
65															
	140														
70															
	135														

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FIGURE
A-3 c

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-2**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/6/2022	1/6/2022	1 of 3

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	51.5	213	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
															SLAB-ON-GRADE (9") NO BASE.
	210		BULK-1								36:21				**Artificial Fill (af)** SANDY lean CLAY (CL); dark brown; moist; some fine grained SAND and GRAVEL; subrounded; concrete debris.
5			R-1	8 8 13	21	18			12	103	31:15				**ALLUVIUM** SANDY lean CLAY (SC); dark brown; moist; some fine SAND; trace fine GRAVEL; rounded.
	205														
10			R-2	25 37 56	93	78			17	115					Lean CLAY with SAND (CL); hard; dark brown; little fine SAND. PP > 2.5 tsf.
	200														
15			R-3	15 29 31	60	50									Hard; yellowish brown; little fine SAND; rootlets. PP > 4.5 tsf.
	195														
20			R-4	18 25 35	60	50			9	116					SANDY SILT (ML); very dense; yellowish brown; dry; some fine SAND.
	190														

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FIGURE
A-4 a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-2**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/6/2022	1/6/2022	2 of 3

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	51.5	213	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			R-5	22 25 30	55	46									
	185														
30			R-6	19 24 30	54	45									SILTY SAND (SM); dense; yellowish brown; dry; little SILT.
	180														
35			R-7	70/4	70/4	70/4						PA			Well-graded SAND with SILT (SW-SM); very dense; brown; dry; mostly coarse to fine SAND; some GRAVEL; rounded; few fines. SAND 53%; GRAVEL; 37%; FINES 10%.
	175														
40			R-8	70/6	70/6	70/6									SILTY SAND (SM); very dense; brown; dry; mostly fine SAND; little SILT.
	170														
45			R-9	24 30 50	80	67						PA			SANDY SILT (ML); very dense, some fine SAND. FINES 68%; SAND 32%.
	165														

BORING LOG_AP_2019_LA1553.GPJ GDC2013.GDT 1/21/22

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370 Amapola Ave., Suite 212
Torrance, CA 90501

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE
A-4 b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-2**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/6/2022	1/6/2022	3 of 3

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	51.5	213	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			R-10	38 41 50	91	76			15	119					Very dense; some coarse to fine SAND.
	160														The boring was terminated at the depth of 51.5 feet below existing grade. Groundwater was not encountered. The borehole was backfilled with cement grout.
55															
	155														
60															
	150														
65															
	145														
70															
	140														

BORING LOG_AP_2019 LA1553.GPJ GDC2013.GDT 1/21/22

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FIGURE
A-4 c

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-3**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/6/2022	1/6/2022	1 of 2

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	30.5	211	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
	210		BULK-1						16			EI CR			ASPHALT (4") NO BASE. **Artificial Fill (af)** SANDY lean CLAY (CL); dark brown; moist; some fine SAND; trace GRAVEL; angular; red brick fragments; medium plasticity.
5	205		R-1	10 13 15	28	24			17	115	35:19				**ALLUVIUM** SANDY lean CLAY (CL); stiff; dark brown; moist; some fine SAND; medium plasticity. PP = 1.5 tsf.
10	200		R-2	6 11 13	24	20			19	112		C			PP > 4.5 tsf.
15	195		R-3	18 23 26	49	41			3	97					SILTY SAND with GRAVEL (SM); dense; reddish brown; moist; mostly medium to fine SAND; little SILT; trace GRAVEL; rounded.
20	190		R-4	12 17 19	36	30									Dense; mostly fine SAND; no GRAVEL.

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FIGURE
A-5 a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-3**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/6/2022	1/6/2022	2 of 2

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	30.5	211	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
	185		R-5-A R-5-B	36 20 25	45	38									Dense; fine SAND. Little GRAVEL; coarse to fine.
30			R-6	60/6	60/6	60/6						PA			Poorly graded SAND with SILT and GRAVEL (SP-SM); very dense; mostly coarse to fine SAND; little FINES; little GRAVEL. SAND 62%; GRAVEL 26%; FINES 12%. The boring was terminated at the depth of 30.5 feet below existing grade. Groundwater was not encountered. The borehole was backfilled with cement grout.
	180														
35															
	175														
40															
	170														
45															
	165														

BORING LOG_AP_2019 LA1553.GPJ GDC2013.GDT 1/21/22

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FIGURE
A-5 b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-4**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/7/2022	1/7/2022	1 of 2

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	31.5	209	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
0															ASPHALT (2.5") NO BASE.
															Artificial Fill (af)
			BULK-1									R			SANDY Lean CLAY with GRAVEL (CL); dark reddish brown; moist; some fine SAND; little GRAVEL.
	205														**ALLUVIUM**
															SANDY Lean CLAY with GRAVEL (CL); dark reddish brown; moist; some fine SAND.
5			R-1	8 10 13	23	19			17	116		C			Stiff; reddish brown. PP = 1.5 tsf.
	200														
10			R-2-A R-2-B	13 17 30	47	40			15	117		DS			SILTY SAND (SM); dense; stron brown; moist; mostly fine SAND.
	195														
15			R-3	8 11 14	25	21			20	107					SILTY SAND (SM); medium dense; yellowish brown; moist; some FINES.
	190														
20			R-4	12 12 13	25	21									SILTY SAND (SM); medium dense; strong brown; moist; mostly fine SAND; little fines.
	185														

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FIGURE

A-6 a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-4**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/7/2022	1/7/2022	2 of 2

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	31.5	209	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			R-5	15 20 28	48	40									Dense.
	180														
30			R-6	9 17 30	47	40									Dense.
	175														The boring was terminated at the depth of 31.5 feet below existing grade. Groundwater was not encountered. The borehole was backfilled with cement grout.
35															
	170														
40															
	165														
45															
	160														

BORING LOG_AP_2019_LA1553.GPJ GDC2013.GDT 1/21/22

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FIGURE
A-6 b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-5**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/7/2022	1/7/2022	1 of 3

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	61.5	221	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
	220		BULK-1						12			CR CP			ASPHALT (2") NO BASE. **Artificial Fill (af)** SANDY SILT (ML); yellowish brown; moist; some fine SAND; little ASPHALT debris.
5	215		R-1	6 6 6	12	10			13	107		DS			**ALLUVIUM** SANDY SILT (ML); yellowish brown; moist; some fine SAND. Medium dense; rootlets.
10	210		R-2	11 12 13	25	21			17	116					SANDY lean CLAY (CL); very stiff; strong brown; moist; some fine SAND; low plasticity; rootlets. PP = 3.0 tsf.
15	205		R-3	14 21 28	49	41									Hard; strong brown with mottled black; some medium to fine SAND; rootlets. PP = 4.5 tsf.
20	200		R-4	16 42 50	92	77									Hard. PP > 4.5 tsf.

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FIGURE
A-7 a

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-5**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/7/2022	1/7/2022	2 of 3

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	61.5	221	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
	195		R-5	8 16 16	32	27									SILTY SAND (SM); medium dense; reddish brown; moist; mostly fine SAND; little fines.
30	190		R-6	30 50/2	80/8	80/8									SILTY SAND with GRAVEL (SM); very dense; yellowish brown; dry; mostly medium to fine SAND; little SILT; little fine GRAVEL; rounded.
35	185		R-7	16 17 21	38	32									Dense; strong brown; moist; mostly fine SAND; little fines; mottled dark brown.
40	180		R-8	21 24 30	54	45									SANDY SILT (ML); Dense; light brown; some fine SAND.
45	175		R-9	30 38 50	88	74									SILTY SAND (SM); very dense; strong brown; moist; mostly coarse to fine SAND; little fines.

BORING LOG_AP_2019_LA1553.GPJ GDC2013.GDT 1/21/22

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FIGURE
A-7 b

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-5**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	1/7/2022	1/7/2022	3 of 3

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	HD75	Hollow Stem Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Automatic (140 lbs, 30 inch)	74.8 %	8	61.5	221	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	N_{60}* = 0.84N_{MC}	Cement Grout	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
	170		R-10	65/6	65/6	65/6			4	102		PA			Poorly-graded SAND with SILT (SP-SM); very dense; little fines; few GRAVEL; coarse to fine; rounded. SAND 80%; FINES 12%; GRAVEL 8%.
55	165		R-11	17 23 27	50	42									Dense; brown; dry; mostly coarse to fine SAND; little fines.
60	160		R-12	43 27 40	67	56									Very dense; mostly fine SAND; little fines.
															The boring was terminated at the depth of 61.5 feet below existing grade Groundwater was not encountered. The borehole was backfilled with cement grout.
65	155														
70	150														

BORING LOG_AP_2019 LA1553.GPJ GDC2013.GDT 1/21/22

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FIGURE
A-7 c

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfiel HS Major Modernization	LA1553	**B-6**

PROJECT FEATURE	OWNER	START DATE	FINISH DATE	SHEET NO.
NA	LAUSD	10/29/2022	10/29/2022	1 of 1

SEGMENT NO.	BOREHOLE LOCATION (Latitude; Longitude) DATUM:	BOREHOLE LOCATION (Offset, Station, Line)
NA	See Figure 2	See Figure 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Gold Construction	Hand Auger	Hand Auger	M. Andreasen	A. Pradhan

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Slide Hammer	NA	4	11	210	▽ NE / *NE* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	BOREHOLE BACKFILL & COMPLETION	
Bulk; MC (2.4")	NA	Compacted soil cuttings/bentonite chips	▼ NE / *NE* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOWS/FT	SPT N^*_{60}	RECOVERY (%)	RQD (%)	MOISTURE (%)	DRY DENSITY (pcf)	ATTERBERG LIMITS (LL:PI)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			B-1									EI			CONCRETE (5") NO BASE.
															Artificial Fill (af)
															SANDY lean CLAY (CL); dark brown; dry to moist; some medium to coarse sand; trace GRAVEL. subangular, medium plasticity.
			B-2									EI			CLAYEY SAND (SC); loose; dark brown; dry; mostly medium to fine.
															Brown.
			B-3									EI			**ALLUVIUM**
5	205		R-3						11	112					SILTY SAND (SM); medium brown to light brown; fine.
			R-4						15	114					CLAYEY SAND (SC); dark brown.
10	200		R-5						14	113					SANDY SILT (ML).
															The boring was terminated at the depth of 11 feet below existing grade. Groundwater was not encountered. The borehole was backfilled with compacted soil cuttings and bentonite chips and surface repaired with concrete.
15	195														
20	190														

BORING LOG_AP_2019_LA1553.GPJ GDC2013.GDT 11/9/22

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FIGURE
A-8

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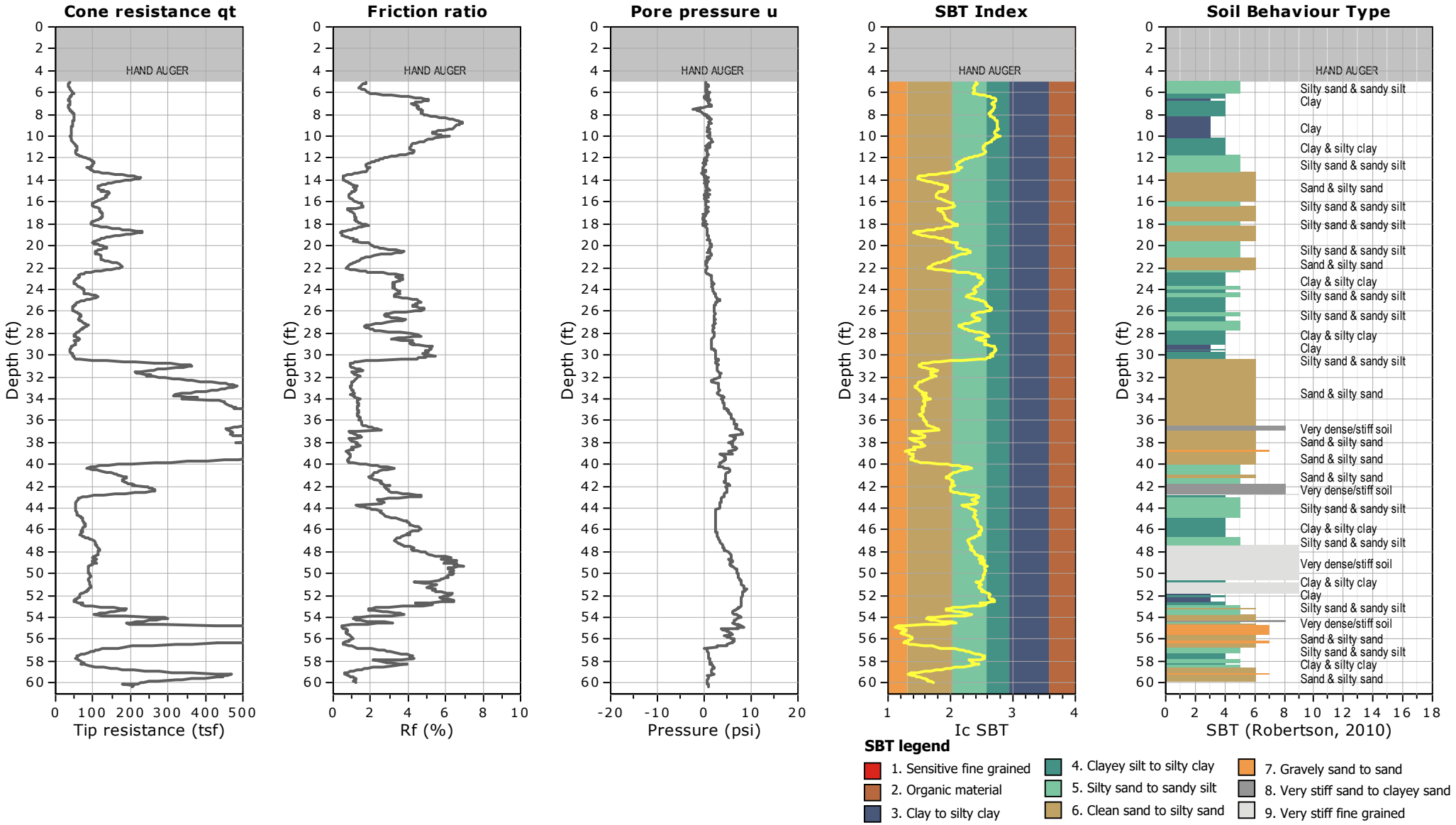
Torrance, CA 90501

CPT: CPT-1
Total depth: 60.31 ft, Date: 1/7/2022
Surface Elevation: 0.00 ft
Coords: X:0.00, Y:0.00
Cone Type: Uknown
Cone Operator: Uknown

Project: **LAUSD Garfield High School Comprehensive Modernization**
Location: **Los Angeles, CA**



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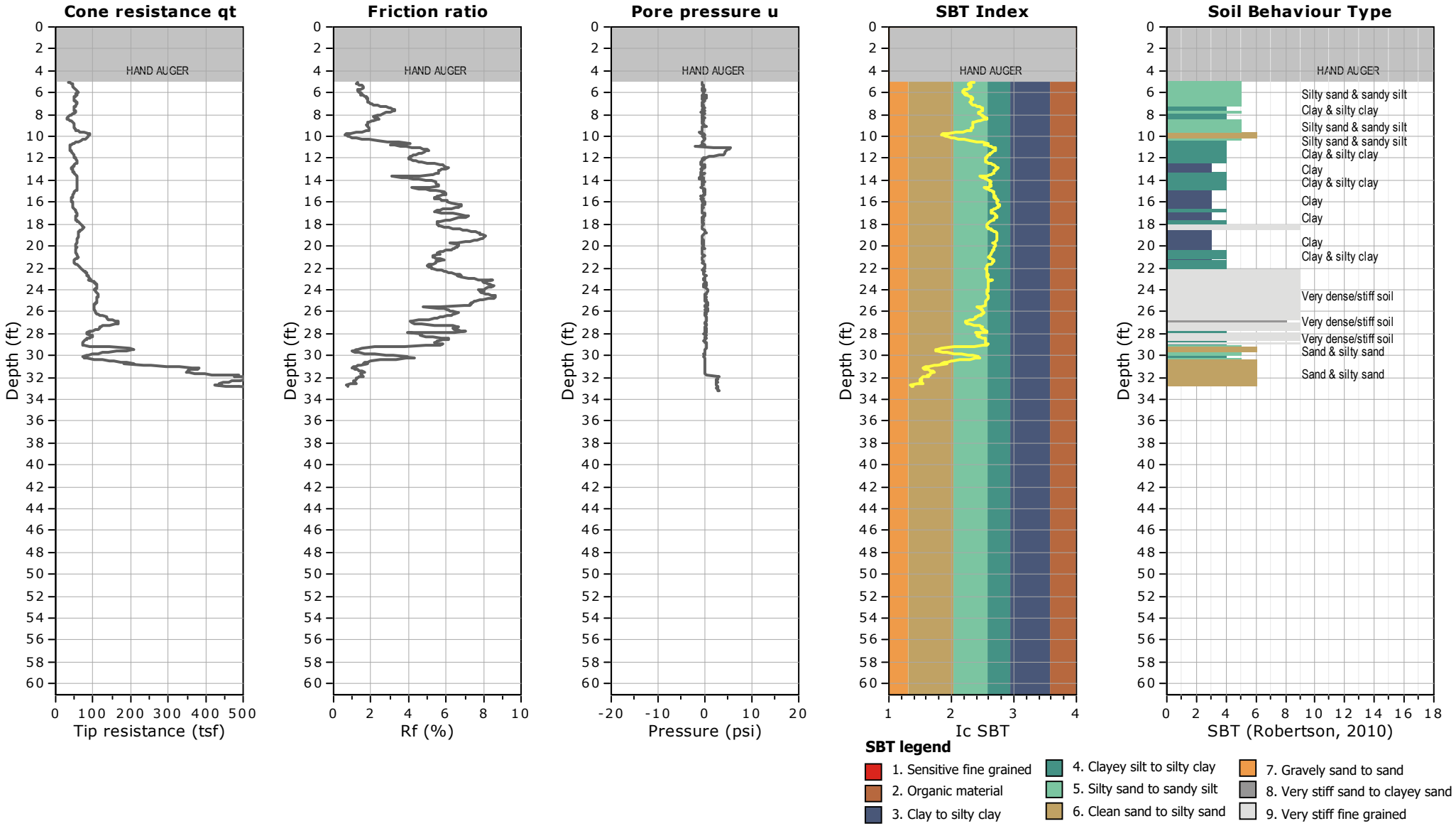
Torrance, CA 90501

CPT: CPT-2
Total depth: 33.27 ft, Date: 1/7/2022
Surface Elevation: 0.00 ft
Coords: X:0.00, Y:0.00
Cone Type: Uknown
Cone Operator: Uknown

Project: **LAUSD Garfield High School Comprehensive Modernization**
Location: **Los Angeles, CA**



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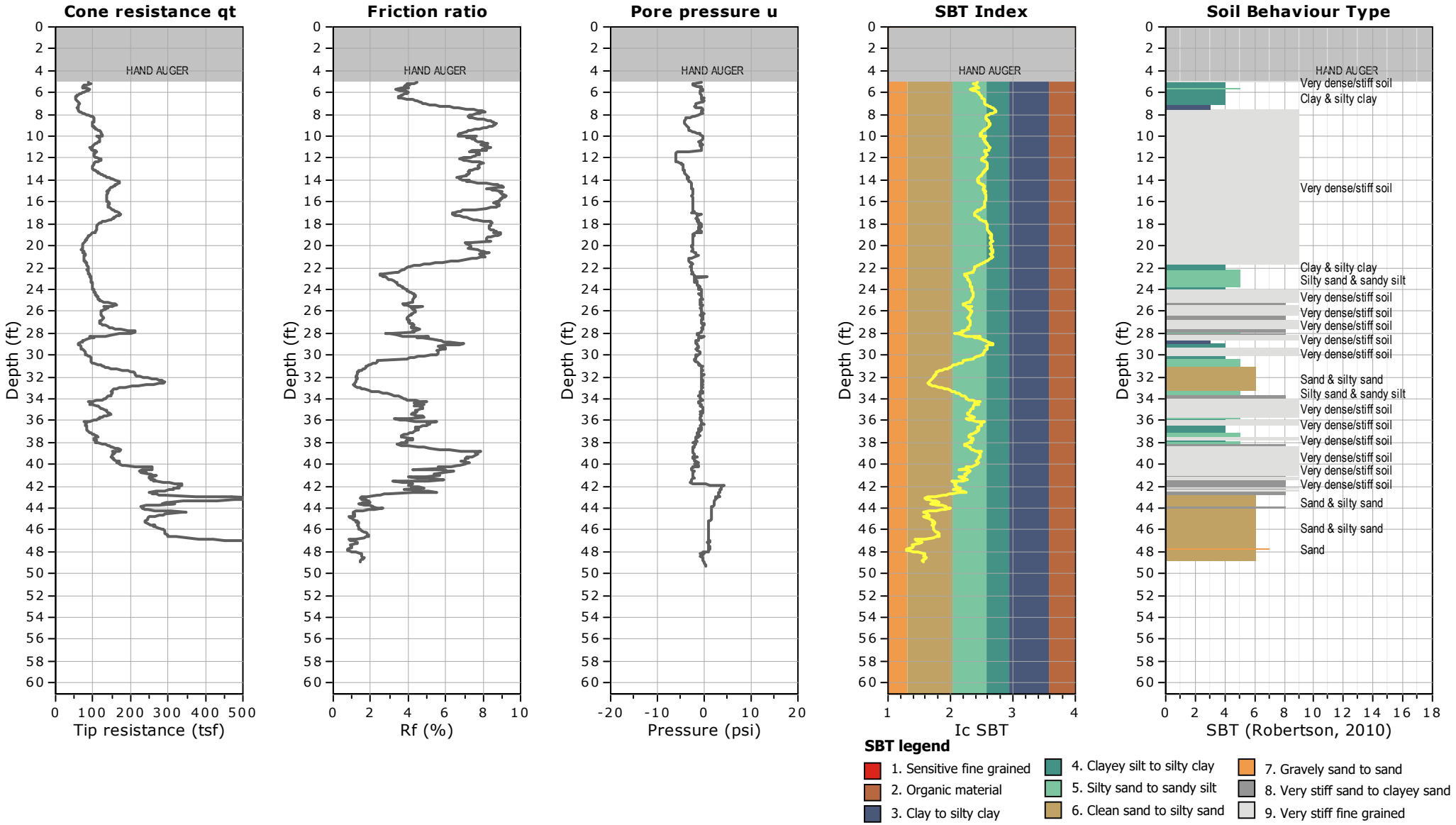
(310) 320-5100
370 Amapola Avenue, Suite 212
Torrance, CA 90501

CPT: CPT-3
Total depth: 49.28 ft, Date: 1/7/2022
Surface Elevation: 0.00 ft
Coords: X:0.00, Y:0.00
Cone Type: Uknown
Cone Operator: Uknown

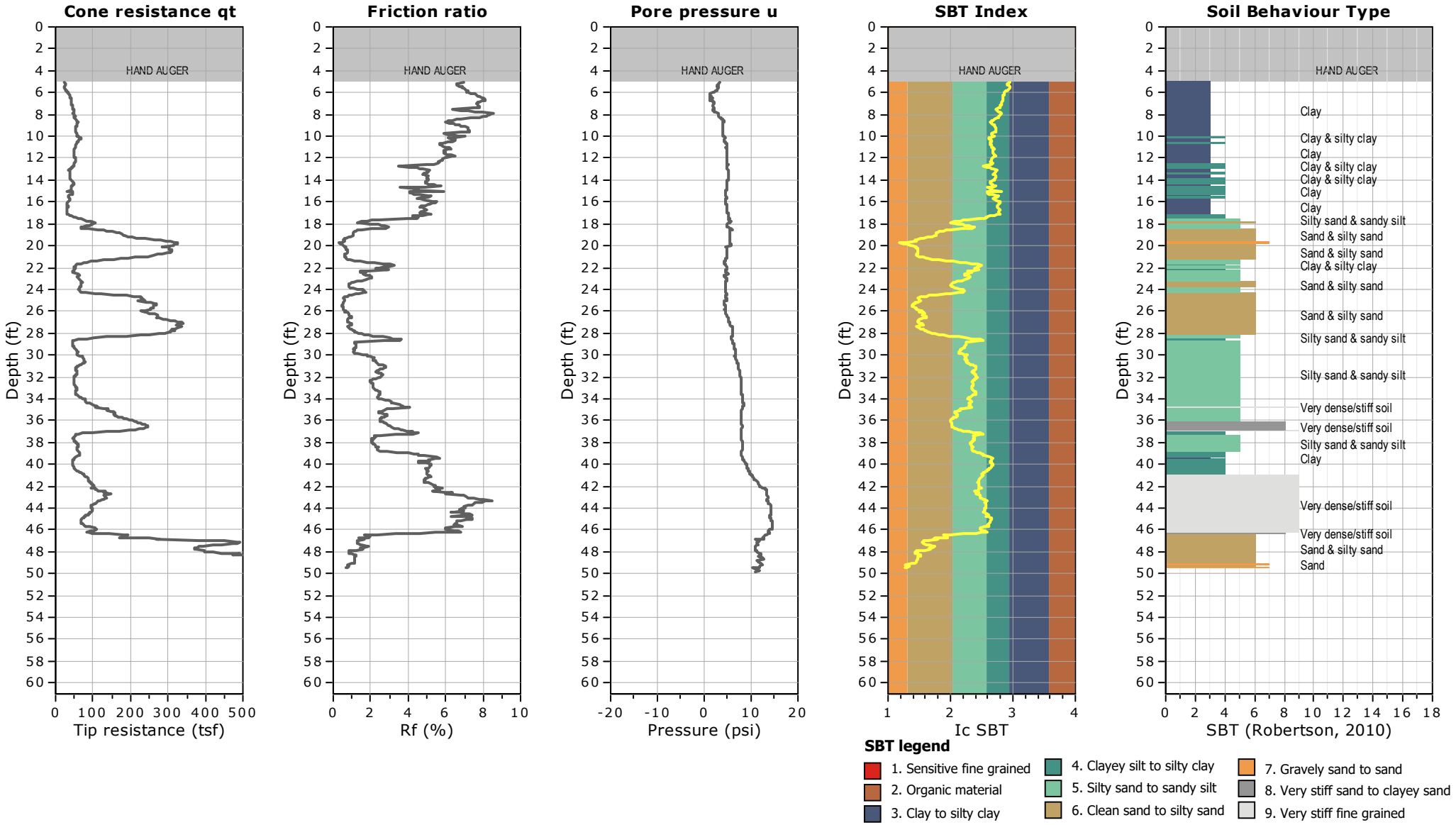
Project: **LAUSD Garfield High School Comprehensive Modernization**
Location: **Los Angeles, CA**



Group Delta Consultants, Inc.
(310) 320-5100
370 Amapola Avenue, Suite 212
Torrance, CA 90501

CPT: SCPT-4
Total depth: 49.88 ft, Date: 1/7/2022
Surface Elevation: 0.00 ft
Coords: X:0.00, Y:0.00
Cone Type: Uknown
Cone Operator: Uknown

Project: **LAUSD Garfield High School Comprehensive Modernization**
Location: **Los Angeles, CA**



Group Delta Consultants, Inc.
(310) 320-5100
370 Amapola Avenue, Suite 212
Torrance, CA 90501

CPT: CPT-5
Total depth: 48.10 ft, Date: 1/7/2022
Surface Elevation: 0.00 ft
Coords: X:0.00, Y:0.00
Cone Type: Uknown
Cone Operator: Uknown

Project: **LAUSD Garfield High School Comprehensive Modernization**
Location: **Los Angeles, CA**

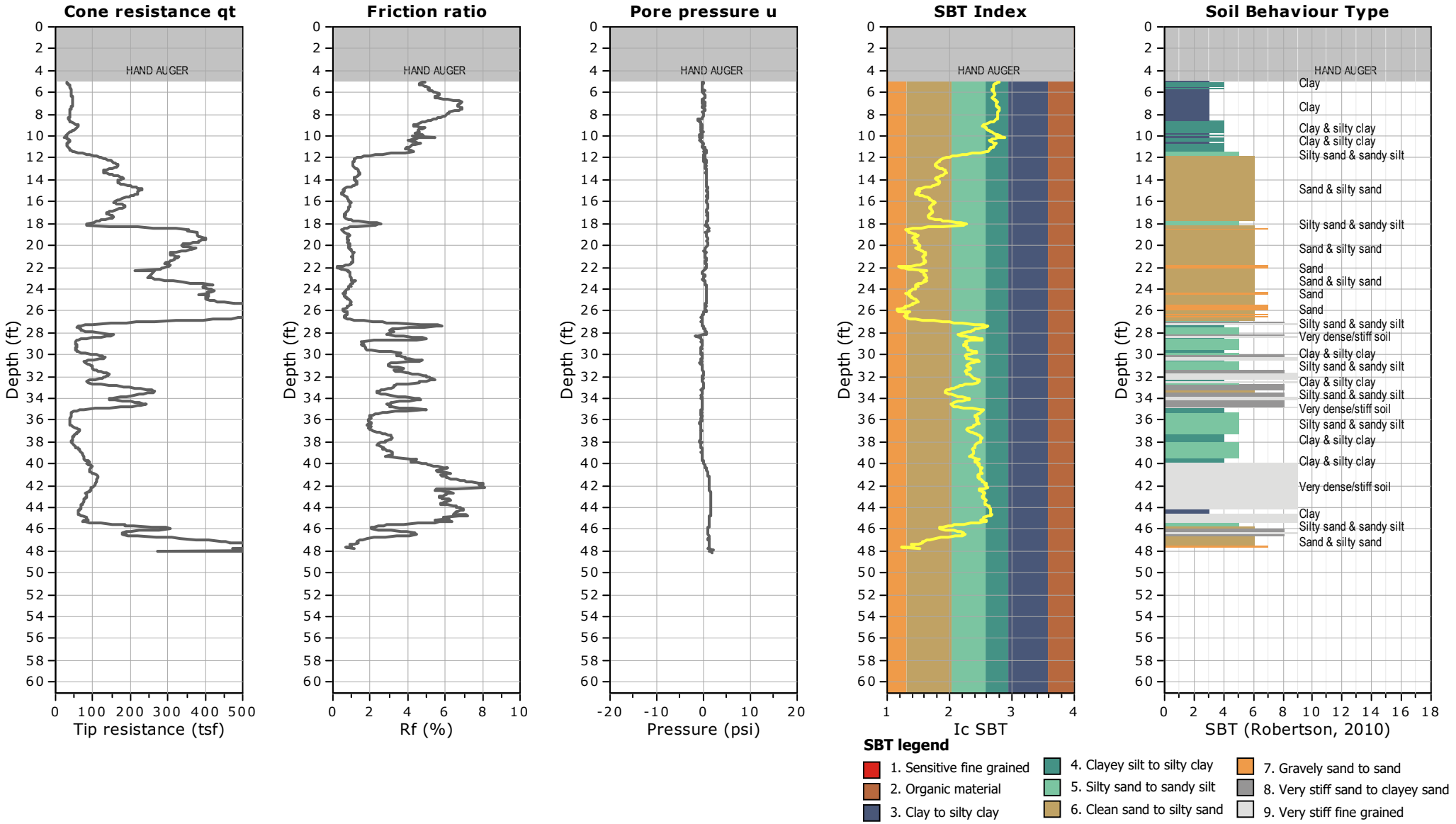


Figure A-12

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Garfield High School
Los Angeles, CA

CPT Shear Wave Measurements

Location	Tip Depth (ft)	Geophone Depth (ft)	Travel Distance (ft)	S-Wave Arrival (msec)	S-Wave Velocity from Surface (ft/sec)	Interval S-Wave Velocity (ft/sec)
CPT-1	5.09	4.09	4.55	7.80	584	
	10.04	9.04	9.26	13.80	671	784
	15.03	14.03	14.17	19.38	731	881
CPT-2	5.02	4.02	4.49	6.32	710	
	10.07	9.07	9.29	12.40	749	789
	15.03	14.03	14.17	17.88	793	891
CPT-3	5.02	4.02	4.49	5.76	780	
	10.04	9.04	9.26	11.00	842	910
	15.06	14.06	14.20	15.08	942	1212

Shear Wave Source Offset - 2 ft

S-Wave Velocity from Surface = Travel Distance/S-Wave Arrival
Interval S-Wave Velocity = (Travel Dist2-Travel Dist1)/(Time2-Time1)

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Los Angeles, CA

CPT Shear Wave Measurements

Location	Tip Depth (ft)	Geophone Depth (ft)	Travel Distance (ft)	S-Wave Arrival (msec)	S-Wave Velocity from Surface (ft/sec)	Interval S-Wave Velocity (ft/sec)
CPT-4	5.05	4.05	4.52	6.50	695	
	10.07	9.07	9.29	13.28	699	704
	15.03	14.03	14.17	18.40	770	954
	20.05	19.05	19.15	23.78	805	926
	25.07	24.07	24.15	28.90	836	976
	30.05	29.05	29.12	32.52	895	1372
	35.01	34.01	34.07	35.64	956	1587
	40.06	39.06	39.11	38.76	1009	1616
	45.08	44.08	44.13	41.64	1060	1741
	49.90	48.90	48.94	44.24	1106	1852
CPT-5	5.02	4.02	4.49	6.50	691	
	10.04	9.04	9.26	13.28	697	703
	15.06	14.06	14.20	18.40	772	965

Shear Wave Source Offset - 2 ft

S-Wave Velocity from Surface = Travel Distance/S-Wave Arrival
Interval S-Wave Velocity = (Travel Dist2-Travel Dist1)/(Time2-Time1)

APPENDIX B
CURRENT LABORATORY TESTING

B.1 Introduction

The laboratory testing was performed using an appropriate American Society for Testing and Materials (ASTM) and Caltrans Test Methods (CTM).

Modified California drive samples and bulk samples collected during the field investigation were carefully sealed in the field to prevent moisture loss. The samples of earth materials were then transported to Group Delta's laboratory for further examination and testing. Tests were performed on selected samples as an aid in classifying the earth materials and to evaluate their physical properties and engineering characteristics. Laboratory testing for this investigation included:

- Soil Classification: USCS (ASTM D2487) and Visual Manual (ASTM D2488)
- Moisture content (ASTM D2216) and Dry Unit Weight (ASTM D2937)
- Atterberg Limits (ASTM D4318)
- Grain Size Distribution (ASTM D6913)
- Pocket Penetrometer
- Direct Shear (ASTM D3080)
- One-Dimensional Consolidation (ASTM D2435)
- Soil Expansion Index (ASTM D4829)
- Resistance R-Value (CTM 301)
- Soil Corrosivity:
    - pH (ASTM G51)
    - Water-Soluble Sulfate (ASTM D4327)
    - Water-Soluble Chloride(ASTM D4327)
    - Minimum Electrical Resistivity (ASTM G187)

A brief description of the laboratory testing program and test results are presented below.

B.2 Soil Classification

The subsurface materials were classified visually in the field using the Unified Soil Classification System (USCS), per ASTM Test Methods D2487 and D2488, and following Caltrans Soil and Logging Classification and Presentation Manual (2010). Soil classifications were modified as necessary based on further inspection and testing in the laboratory. The soil classifications are presented on the key for soil classification and the boring logs in Appendix A.

B.3 Moisture Content and Dry Unit Weight

The natural moisture content and dry unit weights of selected samples were determined in general accordance with ASTM D2216 and ASTM D2937. The results of these tests are presented on the boring logs in Appendix A.

B.4 Atterberg Limits

Soil plasticity was evaluated by measuring the Atterberg Limits. This test includes Liquid Limit (LL) and Plastic Limit (PL) tests to determine the Plasticity Index (PI) per ASTM D4318. The results of these tests are illustrated in the plasticity chart shown in Figures B-1a to B-1e and on the boring logs in Appendix A.

B.5 Grain Size Distribution

Determination of grain size distribution of soils was performed to separate particles into size ranges and to determine quantitatively the mass of particles in each range following ASTM D6913. This test method uses a square opening sieve criterion in determining the gradation of soil between the 3-in. (75-mm) and No. 200 (75-µm) sieves. Results of grain size distribution are shown as a percentage per soil type on the boring logs in Appendix A and Figures B-2a to B-2e.

B.6 Pocket Penetrometer

The shear strengths of cohesive samples were evaluated using a pocket penetrometer. The pocket penetrometer is a handheld testing device, consisting of a small probe connected to a calibrated spring. As the probe is pushed into the soil a standardized distance, the spring compresses and records the unconfined compressive strength. The shear strengths obtained from the pocket penetrometer are shown on the boring logs.

B.7 Direct Shear

Direct shear tests were performed on selected samples per ASTM D3080. After the initial weight and volume measurements were made, the samples were placed in a calibrated shear machine and a selected normal load was applied. The samples were then saturated and allowed to consolidate, and then were sheared under a constant strain rate to failure. Shear stress and sample deformations were monitored throughout the test. The test results are presented in Figures B-3a to B-3c.

B.8 One-Dimensional Consolidation

The consolidation characteristics of the foundation soil was determined by performing one-dimensional consolidation in general accordance with ASTM D2435, using a floating ring consolidometer and deadweight system. The test results are presented in Figures B-4a and B-4b.

B.9 Soil Expansion Index

The expansion potential of the site soils was estimated using the Expansion Index Test per ASTM D 4829. The results of these tests are summarized in Table B-1 below and discussed in the main report and presented in Figures B-5a to B-5d.

Table B – 1
Soil Expansion Index (Current Laboratory Testing)

Boring No.	Depth (feet)	Expansion Index (EI)
B-3	0 – 5	40
B-6	0.4 – 1.8	56
B-6	1.8 – 4.3	55
B-6	4.3 - 5	57

B.10 Resistance R-Value

A Resistance "R" Value test was performed by stabilometer method on a selected bulk sample of the subgrade soils. The test was conducted in general accordance with CTM 301. The test result is summarized in Table B-2 below and is presented in Figure B-6.

Table B – 2
Resistance R-Value (Current Laboratory Testing)

Boring No.	Depth (feet)	Resistance R-Value
B-4	0 – 5	0

B.11 Soil Corrosivity

Representative near-surface bulk samples were tested to evaluate the corrosion characteristics of the site soil. Corrosivity testing included minimum electrical resistivity (ASTM G187), soil pH (ASTM G51), water-soluble chlorides, and sulfates (ASTM D4327). The result of this test is summarized in Table B-3 below and discussed in the main report. The corrosion test report is attached in Appendix F.

Table B – 3
Soil Corrosivity (Current Laboratory Testing)

Boring No.	Depth	pH	Chloride Content (%)	Sulfate Content (%)	Minimum Resistivity (ohm-cm)
B-1	0 – 5	6.6	0.001	0.008	1,440
B-3	0 – 5	6.7	0.001	0.029	1,200
B-5	0 – 5	5.6	0.054	0.044	480

ATTERBERG LIMITS

ASTM D-4318 / AASHTO T-89 / CTM 204

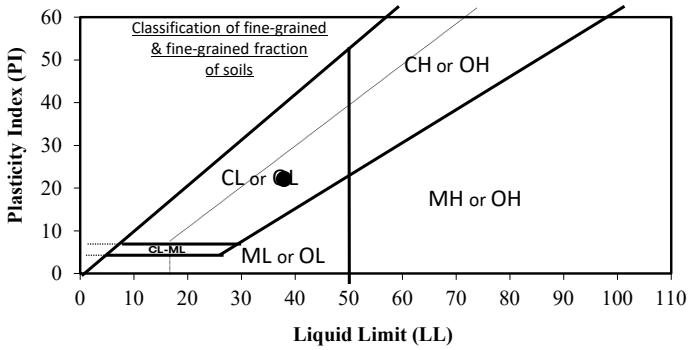
Project Name:	*LAUSD Garfield HS*	Tested By :	*Eric Y*	Date:	*01/17/22*
Project No. :	*LA1553*	Data Input By:	*Eric Y*	Date:	*01/18/22*
Boring No.:	*B-1*	Checked By:	*Asheesh P.*	Date:	
Sample No. :	*Bulk-1*	Depth (ft.) :	*0 - 5*		
Initial Moisture:		Container No.:	*AL-8*		
Description.:	*Brown Sandy Clay - CL*				

	PLASTIC LIMIT		LIQUID LIMIT			
TEST NO.	1	2	1	2	3	4
Number of Blows [N]			33	25	18	
Container No.	1	2	3	4	5	
Wet Wt. of Soil + Cont. (gm.)	32.71	32.08	38.48	39.64	41.12	
Dry Wt. of Soil + Cont. (gm.)	31.72	31.15	35.07	35.98	37.04	
Wt. of Container (gm.)	25.51	25.30	25.79	26.34	26.65	
Moisture Content (%) [Wn]	15.94	15.90	36.75	37.97	39.27	

LIQUID LIMIT	**38**
PLASTIC LIMIT	**16**
PLASTICITY INDEX	**22**

PI at "A" - Line = 0.73(LL-20) = **13.1**

One - Point Liquid Limit Calculation $LL=Wn(N/25)^{0.121}$



PROCEDURES USED

- ☐ Wet Preparation
  Multipoint Wet Preparation
- ☒ Dry Preparation
  Multipoint Dry Preparation
- ☒ Procedure A
  Multipoint Test
- ☐ Procedure B
  One-point Test

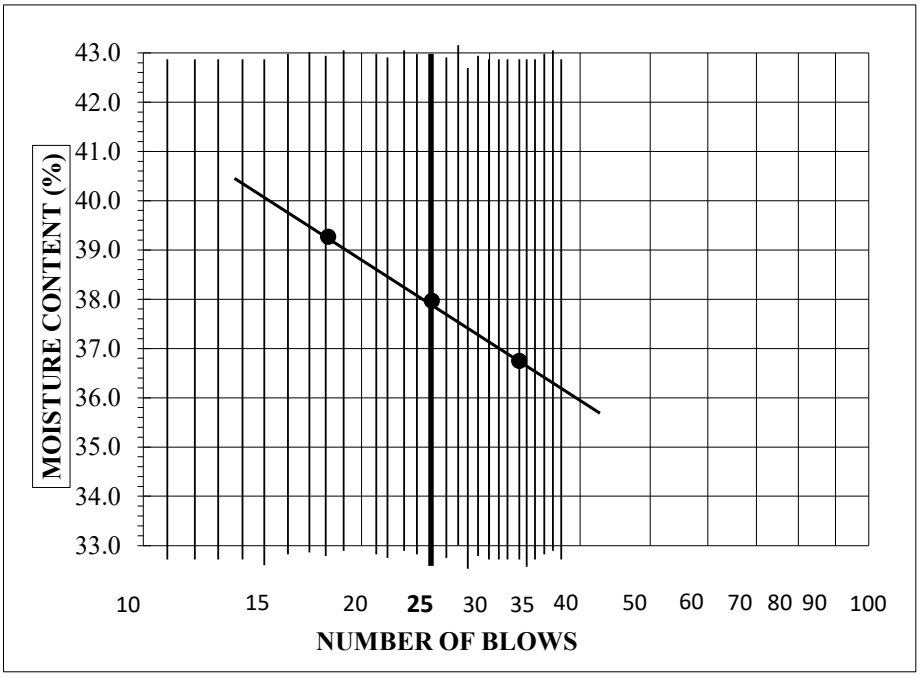


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Figure B-1a

ATTERBERG LIMITS

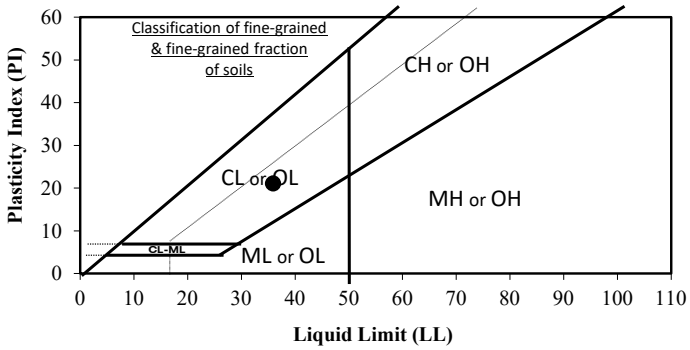
ASTM D-4318 / AASHTO T-89 / CTM 204

Project Name:	*LAUSD Garfield HS*	Tested By :	*Eric Y*	Date:	*01/17/22*
Project No. :	*LA1553*	Data Input By:	*Eric Y*	Date:	*01/18/22*
Boring No.:	*B-2*	Checked By:	*Asheesh P.*	Date:	
Sample No. :	*Bulk-1*	Depth (ft.) :	*0 - 5*		
Initial Moisture:		Container No.:	*AL-9*		
Description.:	*Brown Sandy Clay - CL*				

	PLASTIC LIMIT		LIQUID LIMIT			
TEST NO.	1	2	1	2	3	4
Number of Blows [N]			31	24	17	
Container No.	6	7	8	9	10	
Wet Wt. of Soil + Cont. (gm.)	33.13	33.35	37.80	39.95	38.74	
Dry Wt. of Soil + Cont. (gm.)	32.18	32.39	34.38	36.32	35.07	
Wt. of Container (gm.)	26.00	26.13	24.51	26.21	25.23	
Moisture Content (%) [Wn]	15.37	15.34	34.65	35.91	37.30	

LIQUID LIMIT	**36**
PLASTIC LIMIT	**15**
PLASTICITY INDEX	**21**
PI at "A" - Line = 0.73(LL-20) =	**11.7**

One - Point Liquid Limit Calculation $LL=Wn(N/25)^{0.121}$



PROCEDURES USED

- ☐ Wet Preparation
  Multipoint Wet Preparation
- ☒ Dry Preparation
  Multipoint Dry Preparation
- ☒ Procedure A
  Multipoint Test
- ☐ Procedure B
  One-point Test

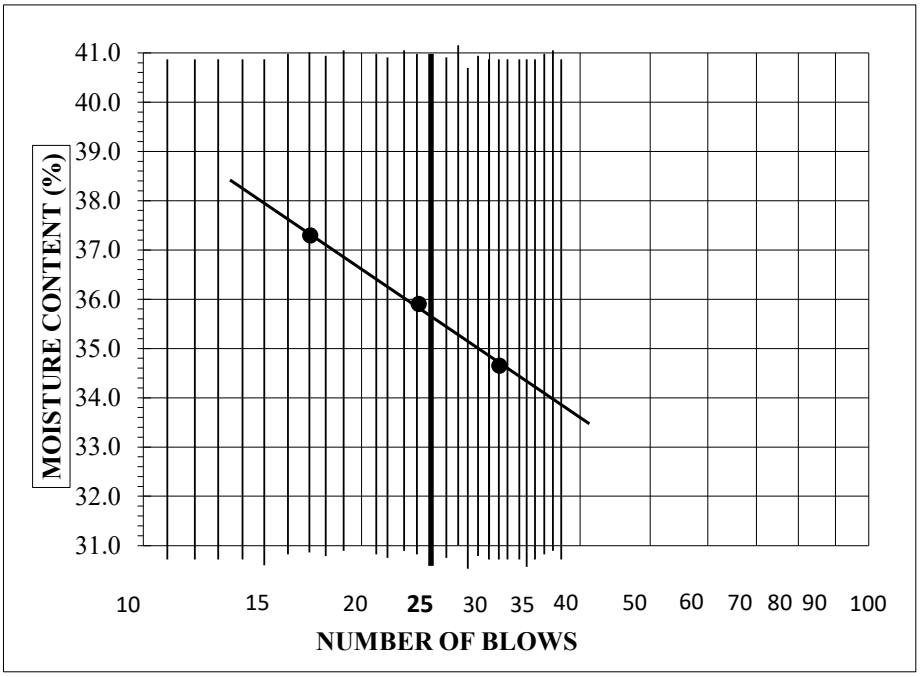


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Figure B-1b

ATTERBERG LIMITS

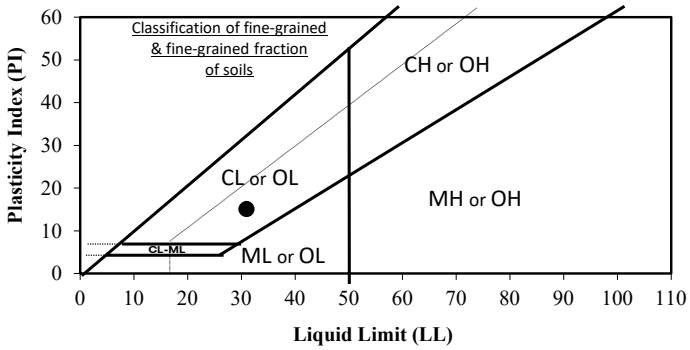
ASTM D-4318 / AASHTO T-89 / CTM 204

Project Name:	*LAUSD Garfield HS*	Tested By :	*Eric Y*	Date:	*01/17/22*
Project No. :	*LA1553*	Data Input By:	*Eric Y*	Date:	*01/18/22*
Boring No.:	*B-2*	Checked By:	*Asheesh P.*	Date:	
Sample No. :	*R-1*	Depth (ft.) :	*5*		
Initial Moisture:		Container No.:	*AL-10*		
Description.:	*Brown Sandy Clay - CL*				

	PLASTIC LIMIT		LIQUID LIMIT			
TEST NO.	1	2	1	2	3	4
Number of Blows [N]			32	24	16	
Container No.	11	12	13	14	15	
Wet Wt. of Soil + Cont. (gm.)	31.78	32.70	40.61	38.62	40.02	
Dry Wt. of Soil + Cont. (gm.)	30.80	31.69	37.50	35.38	36.50	
Wt. of Container (gm.)	24.71	25.44	27.08	24.91	25.69	
Moisture Content (%) [Wn]	16.09	16.16	29.85	30.95	32.56	

LIQUID LIMIT	**31**
PLASTIC LIMIT	**16**
PLASTICITY INDEX	**15**
PI at "A" - Line = 0.73(LL-20) =	**8.0**

One - Point Liquid Limit Calculation $LL=Wn(N/25)^{0.121}$



PROCEDURES USED

- ☐ Wet Preparation
  - Multipoint Wet Preparation
- ☒ Dry Preparation
  - Multipoint Dry Preparation
- ☒ Procedure A
  - Multipoint Test
- ☐ Procedure B
  - One-point Test

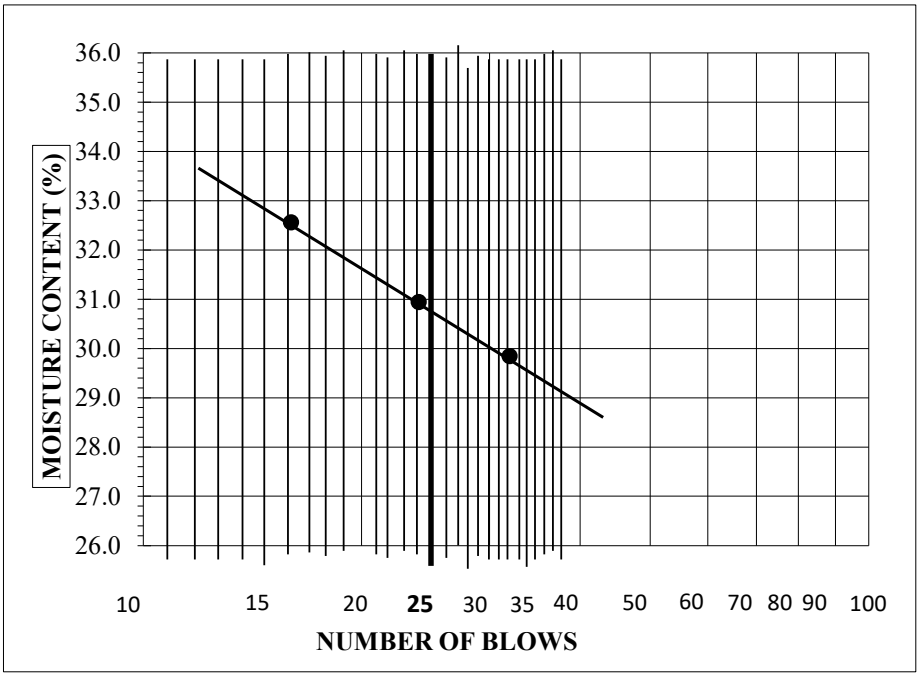


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Figure B-1c

ATTERBERG LIMITS

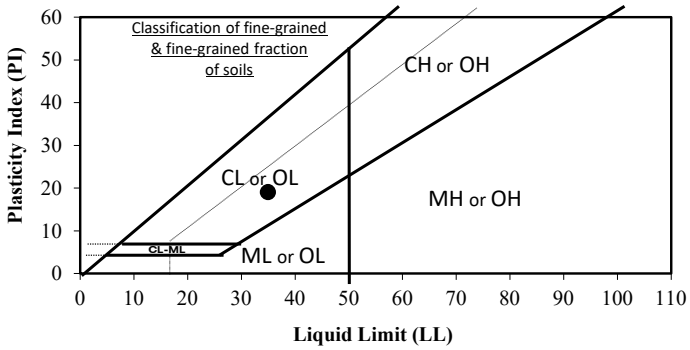
ASTM D-4318 / AASHTO T-89 / CTM 204

Project Name:	*LAUSD Garfield HS*	Tested By :	*Eric Y*	Date:	*01/17/22*
Project No. :	*LA1553*	Data Input By:	*Eric Y*	Date:	*01/18/22*
Boring No.:	*B-3*	Checked By:	*Asheesh P.*	Date:	
Sample No. :	*R-1*	Depth (ft.) :	*5*		
Initial Moisture:		Container No.:	*AL-12*		
Description.:	*Dark Brown Sandy Clay - CL*				

	PLASTIC LIMIT		LIQUID LIMIT			
TEST NO.	1	2	1	2	3	4
Number of Blows [N]			33	25	18	
Container No.	16	17	18	19	20	
Wet Wt. of Soil + Cont. (gm.)	32.51	31.65	39.89	40.69	39.82	
Dry Wt. of Soil + Cont. (gm.)	31.50	30.70	36.54	37.02	35.69	
Wt. of Container (gm.)	25.03	24.60	26.72	26.61	24.54	
Moisture Content (%) [Wn]	15.61	15.57	34.11	35.25	37.04	

LIQUID LIMIT	**35**
PLASTIC LIMIT	**16**
PLASTICITY INDEX	**19**
PI at "A" - Line = 0.73(LL-20) =	**11.0**

One - Point Liquid Limit Calculation $LL=Wn(N/25)^{0.121}$



PROCEDURES USED

- ☐ Wet Preparation
  Multipoint Wet Preparation
- ☒ Dry Preparation
  Multipoint Dry Preparation
- ☒ Procedure A
  Multipoint Test
- ☐ Procedure B
  One-point Test

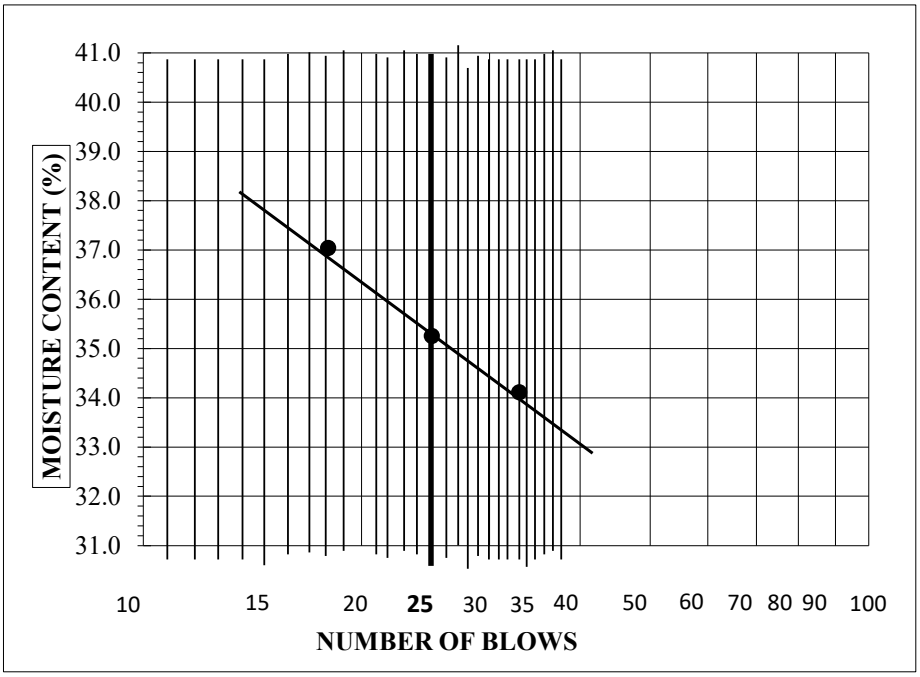


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Figure B-1d

ATTERBERG LIMITS

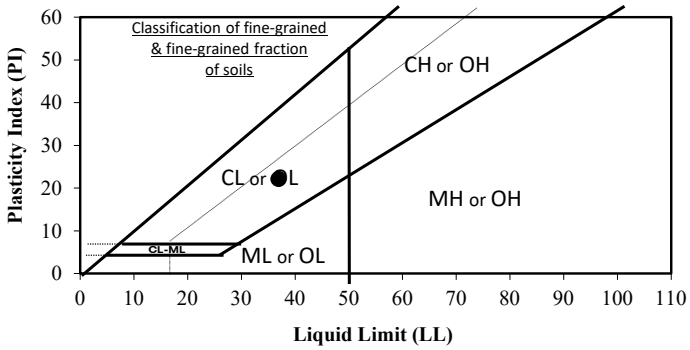
ASTM D-4318 / AASHTO T-89 / CTM 204

Project Name:	*LAUSD Garfield HS*	Tested By :	*Eric Y*	Date:	*01/17/22*
Project No. :	*LA1553*	Data Input By:	*Eric Y*	Date:	*01/18/22*
Boring No.:	*B-4*	Checked By:	*Asheesh P.*	Date:	
Sample No. :	*R-1*	Depth (ft.) :	*5*		
Initial Moisture:		Container No.:	*AL-14*		
Description.:	*Dark Brown Sandy Clay - CL*				

	PLASTIC LIMIT		LIQUID LIMIT			
TEST NO.	1	2	1	2	3	4
Number of Blows [N]			32	24	16	
Container No.	A	B	C	D	E	
Wet Wt. of Soil + Cont. (gm.)	22.56	22.29	27.65	29.24	30.19	
Dry Wt. of Soil + Cont. (gm.)	21.59	21.34	24.42	25.50	25.95	
Wt. of Container (gm.)	15.27	15.17	15.24	15.37	15.00	
Moisture Content (%) [Wn]	15.35	15.40	35.19	36.92	38.72	

LIQUID LIMIT	**37**
PLASTIC LIMIT	**15**
PLASTICITY INDEX	**22**
PI at "A" - Line = 0.73(LL-20) =	**12.4**

One - Point Liquid Limit Calculation $LL=Wn(N/25)^{0.121}$



PROCEDURES USED

- ☐ Wet Preparation
  - Multipoint Wet Preparation
- ☒ Dry Preparation
  - Multipoint Dry Preparation
- ☒ Procedure A
  - Multipoint Test
- ☐ Procedure B
  - One-point Test

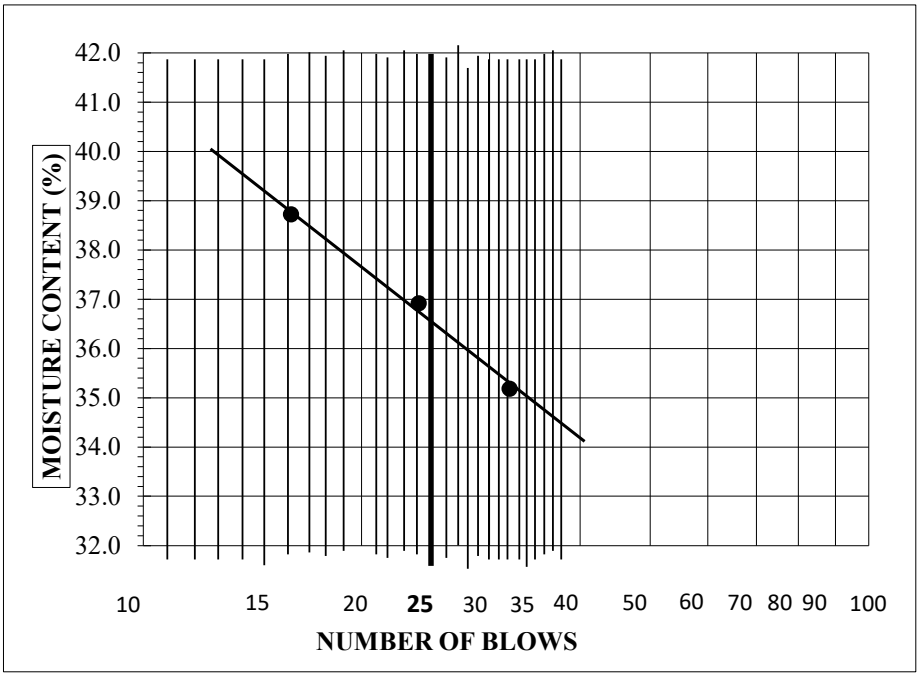


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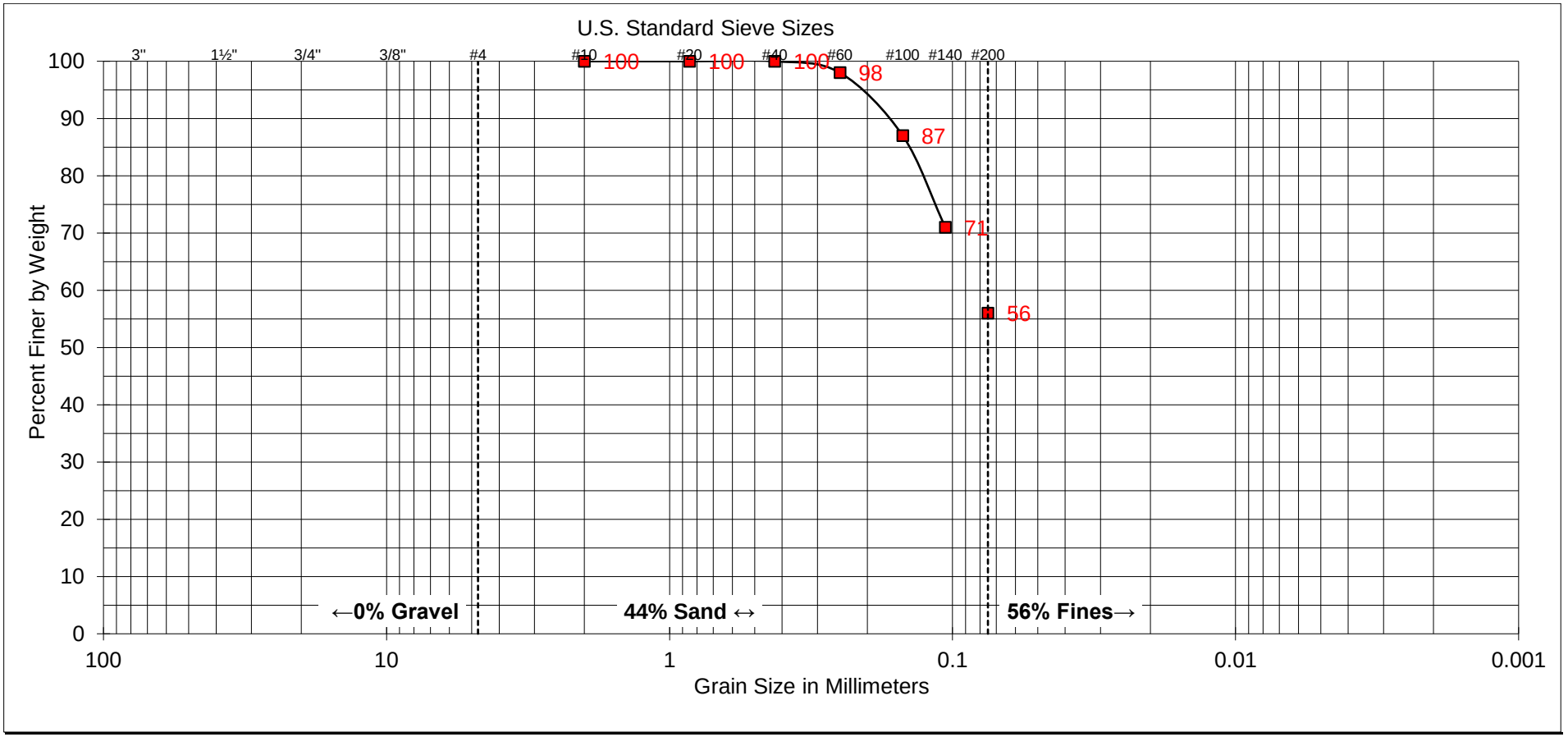
Figure B-1e



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	B-1
SAMPLE NUMBER:	R-8
SAMPLE DEPTH:	40'

UNIFIED SOIL CLASSIFICATION: ML

DESCRIPTION: SANDY SILT

ATTERBERG LIMITS	
LIQUID LIMIT:	0
PLASTIC LIMIT:	0
PLASTICITY INDEX:	0

GROUP DELTA

SOIL CLASSIFICATION

Laboratory No. SO6316
Project No. LA1553
Figure B-2a

COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	B-2
SAMPLE NUMBER:	R-7
SAMPLE DEPTH:	35'

UNIFIED SOIL CLASSIFICATION: SW-SM

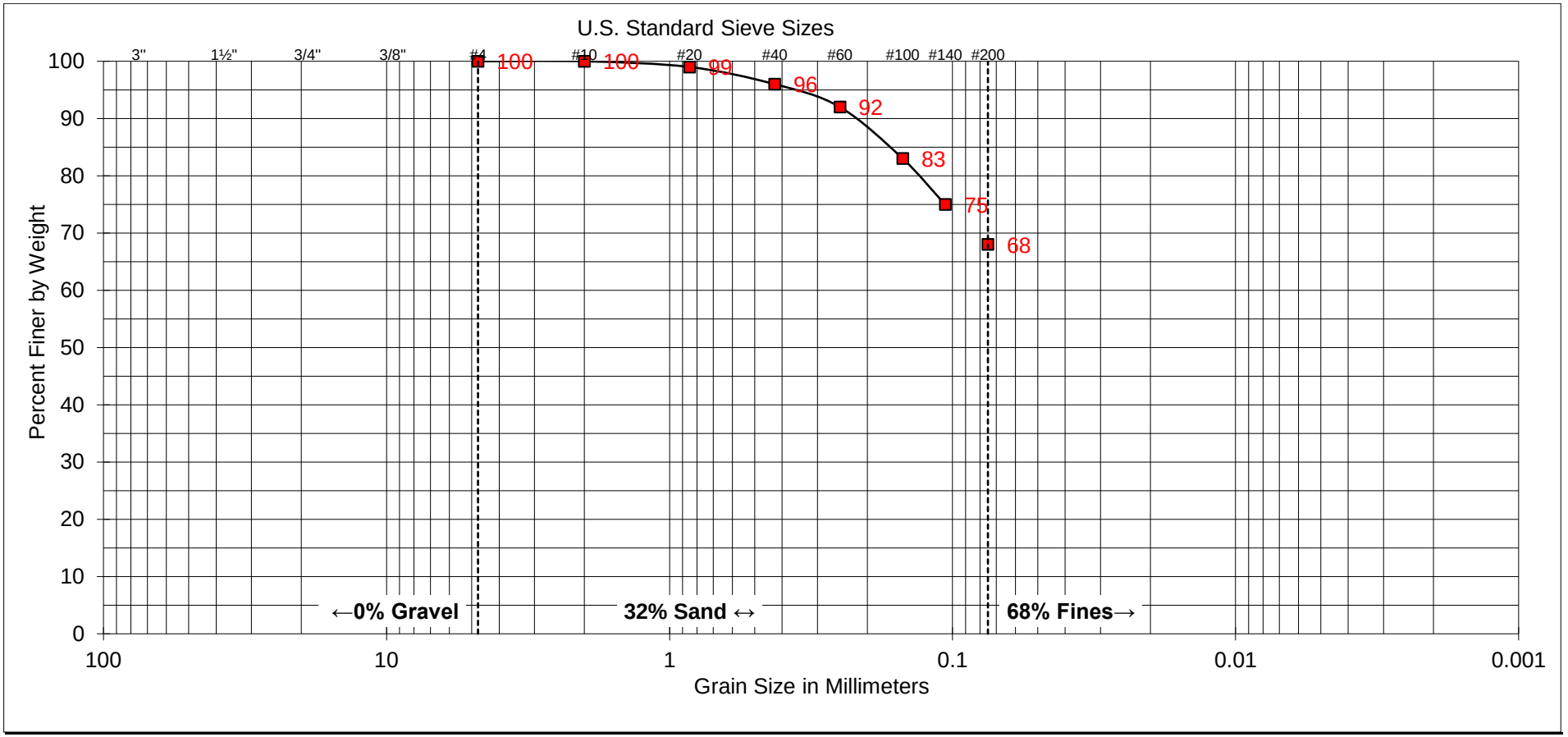
DESCRIPTION: WELL GRADED SAND WITH SILT

ATTERBERG LIMITS	
LIQUID LIMIT:	0
PLASTIC LIMIT:	0
PLASTICITY INDEX:	0

GROUP DELTA

SOIL CLASSIFICATION

Laboratory No. SO6316
Project No. LA1553
Figure B-2b



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	B-2
SAMPLE NUMBER:	R-9
SAMPLE DEPTH:	45'

UNIFIED SOIL CLASSIFICATION: ML

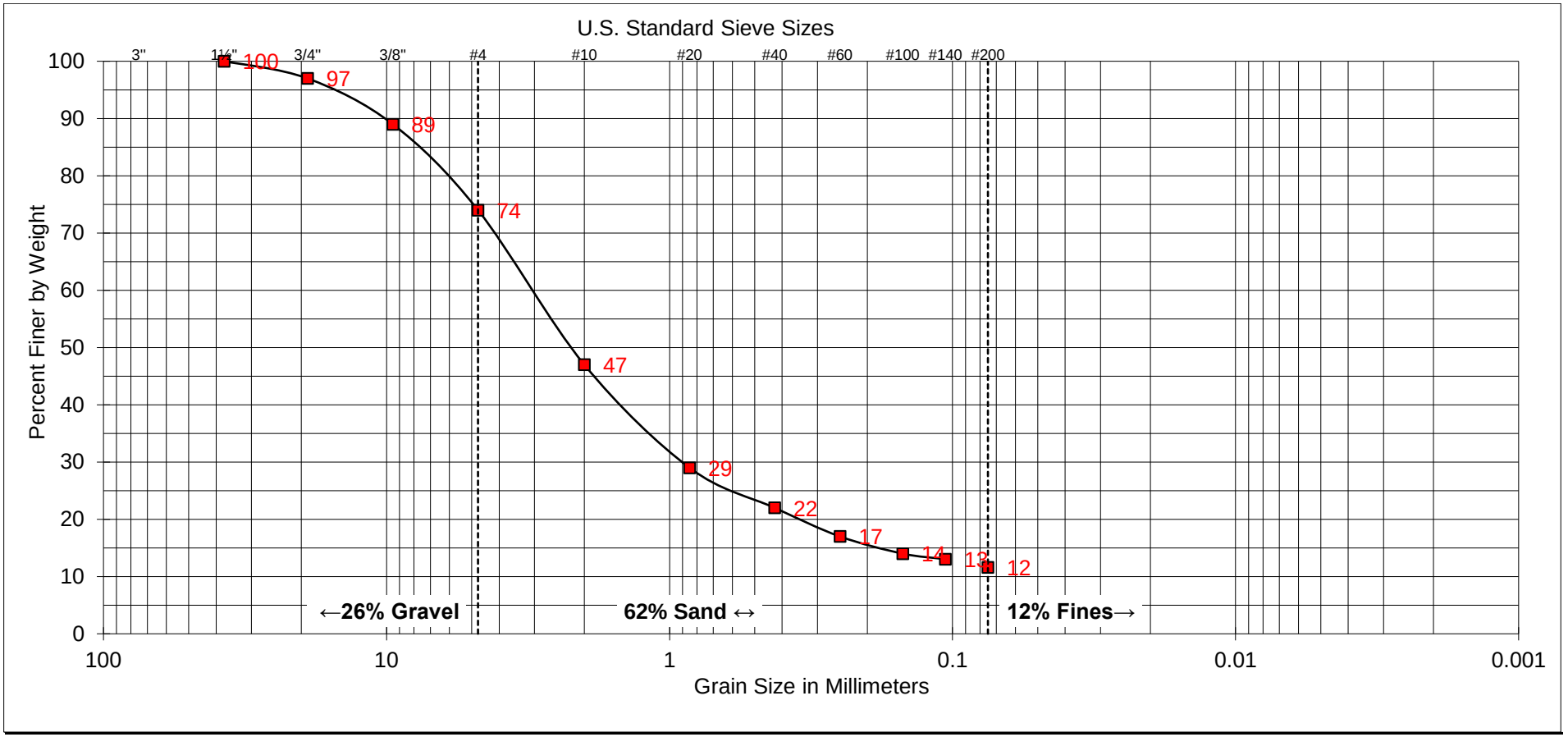
DESCRIPTION: SANDY SILT

ATTERBERG LIMITS	
LIQUID LIMIT:	0
PLASTIC LIMIT:	0
PLASTICITY INDEX:	0

GROUP DELTA

SOIL CLASSIFICATION

Laboratory No. SO6316
Project No. LA1553
Figure B-2c



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	B-3
SAMPLE NUMBER:	R-6
SAMPLE DEPTH:	30'

UNIFIED SOIL CLASSIFICATION: SP-SM

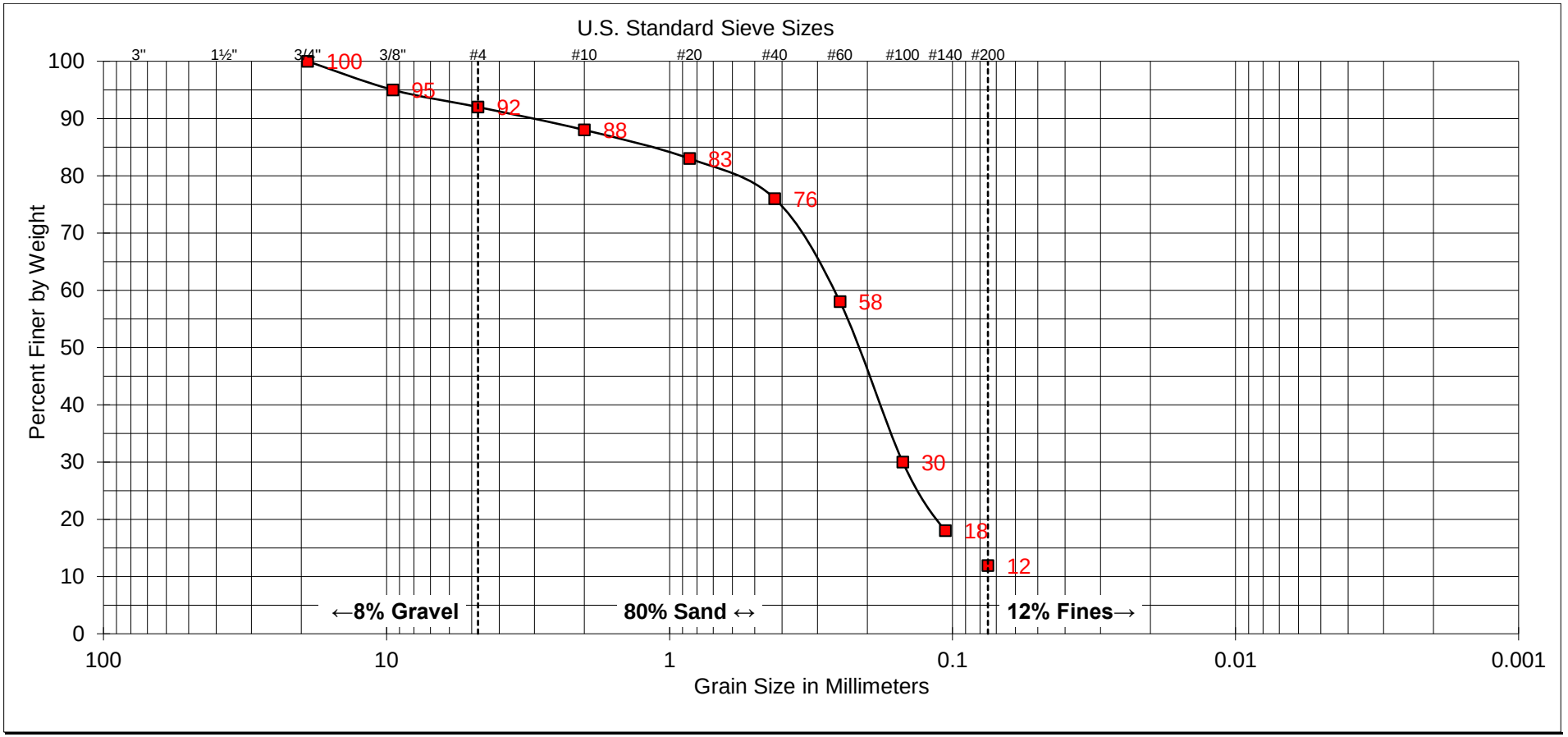
DESCRIPTION: POORLY GRADED SAND WITH SILT WITH GRAVEL

ATTERBERG LIMITS	
LIQUID LIMIT:	0
PLASTIC LIMIT:	0
PLASTICITY INDEX:	0

GROUP DELTA

SOIL CLASSIFICATION

Laboratory No. SO6316
Project No. LA1553
Figure B-2d



COARSE	FINE	COARSE	MEDIUM	FINE	SILT AND
GRAVEL		SAND			CLAY

SAMPLE	B-5
SAMPLE NUMBER:	R-10
SAMPLE DEPTH:	50'

UNIFIED SOIL CLASSIFICATION: SP-SM

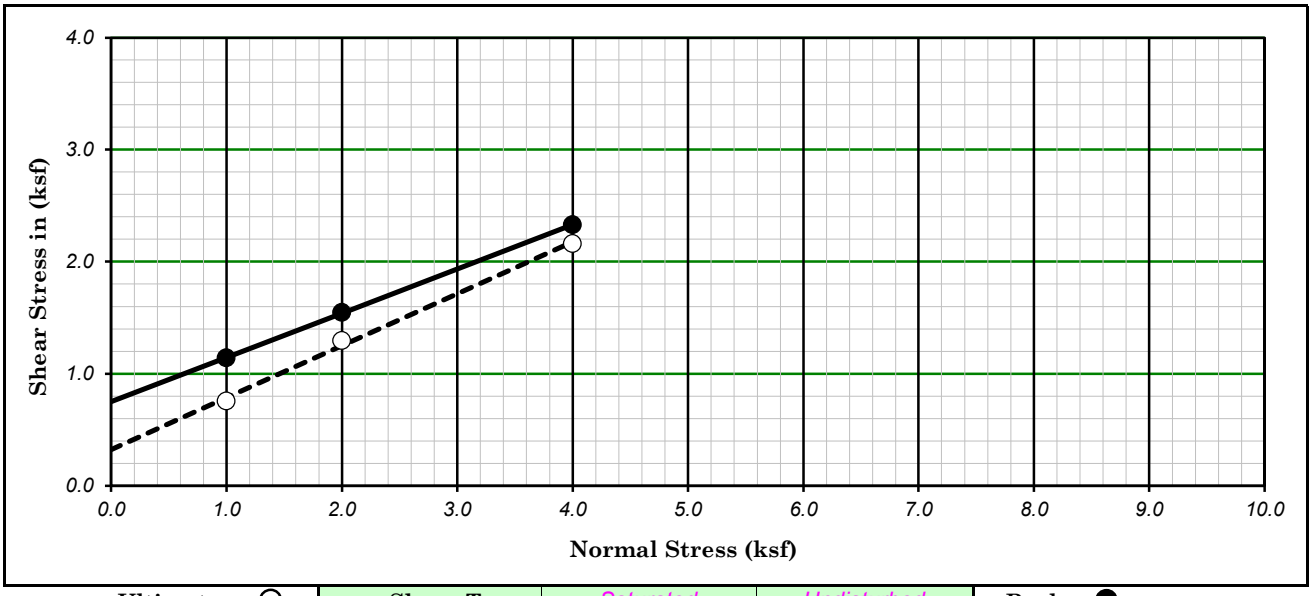
DESCRIPTION: POORLY GRADED SAND WITH SILT

ATTERBERG LIMITS	
LIQUID LIMIT:	0
PLASTIC LIMIT:	0
PLASTICITY INDEX:	0

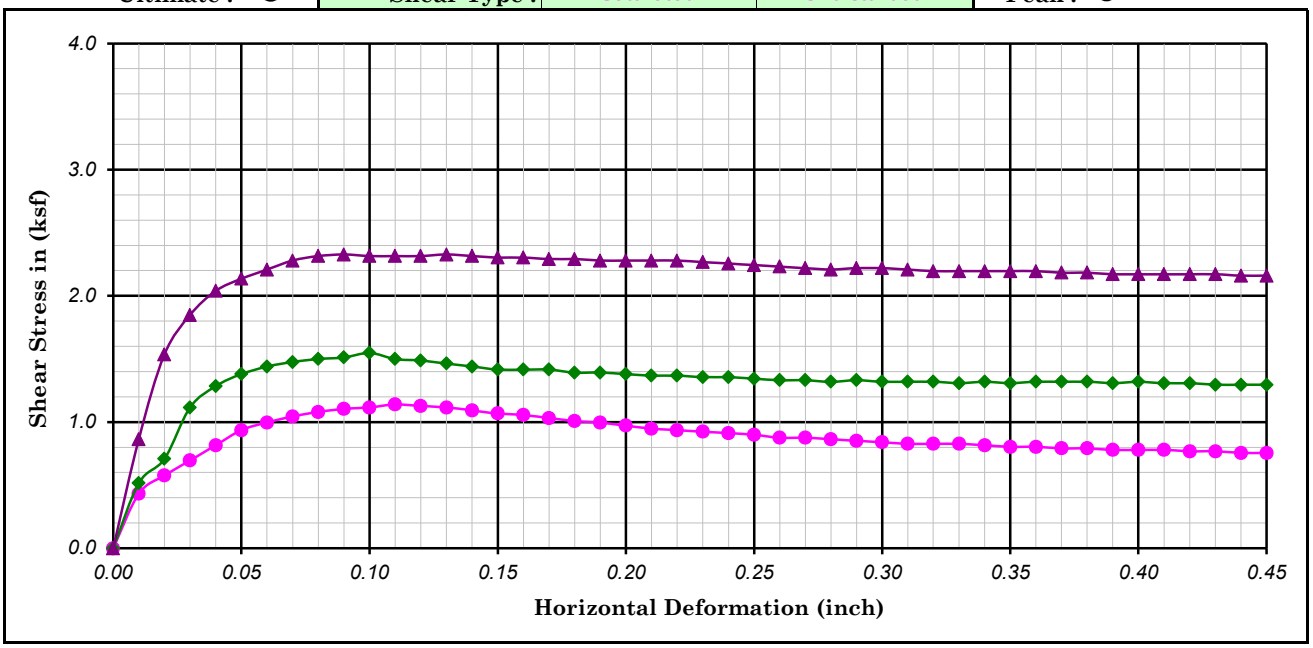
GROUP DELTA

SOIL CLASSIFICATION

Laboratory No. SO6316
Project No. LA1553
Figure B-2e



Ultimate : ○	Shear Type :	Saturated	Undisturbed	Peak : ●



Boring No. : B-1		Strength Intercept (C) :	0.75	(ksf)	Peak	0.32	(ksf)	Ultimate
Sample No. : R-1			35.91	(kPa)		15.51	(kPa)	
Depth (ft/m) : 5.0	1.53	Friction Angle (ϕ) :	21.56	Degree		24.84	Degree	
Description : Dark Brown Sandy Clay					Shear Rate (inch/minute) :	0.0002		

SYMBOL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	DRY DENSITY (kN/m^3)	VOID RATIO	NORMAL STRESS (ksf)	NORMAL STRESS (kPa)	PEAK STRESS (ksf)	PEAK STRESS (kPa)	ULTIMATE STRESS (ksf)	ULTIMATE STRESS (kPa)
●	22.32	111.59	17.56	0.51	1.00	47.88	1.14	54.58	0.76	36.20
◆	22.38	112.44	17.70	0.50	2.00	95.76	1.55	74.12	1.30	62.05
▲	22.45	112.30	17.68	0.50	4.00	191.52	2.33	111.46	2.16	103.42

GROUP DELTA

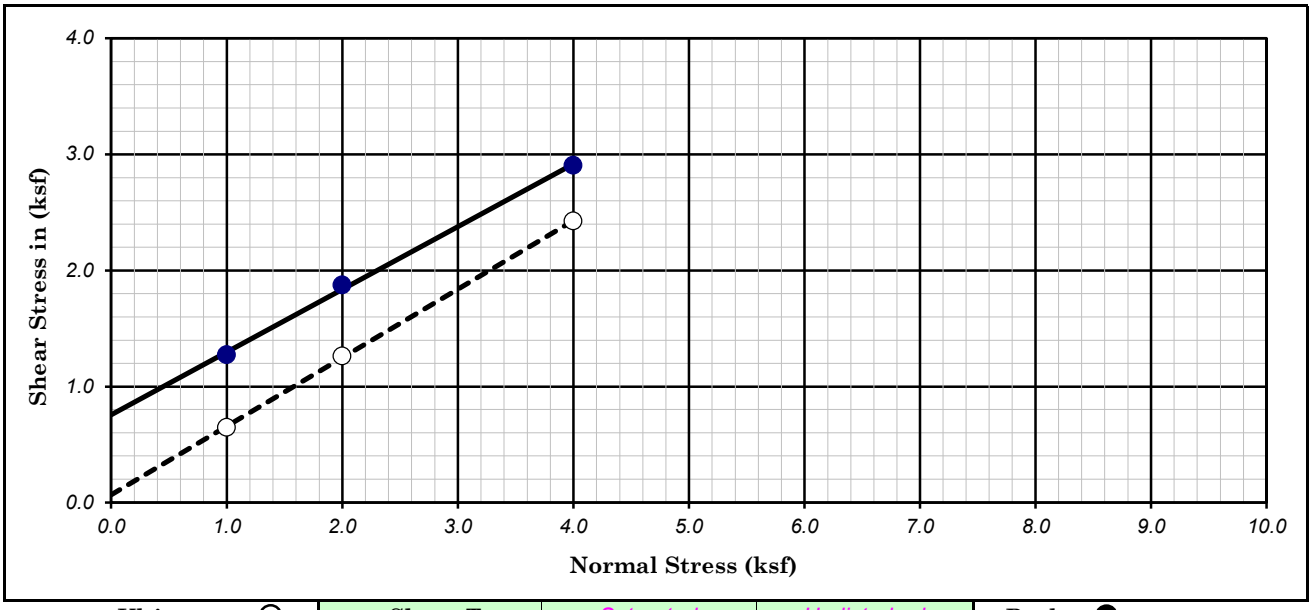
LAUSD Garfield HS Major Modernization

Project No. : LA1553

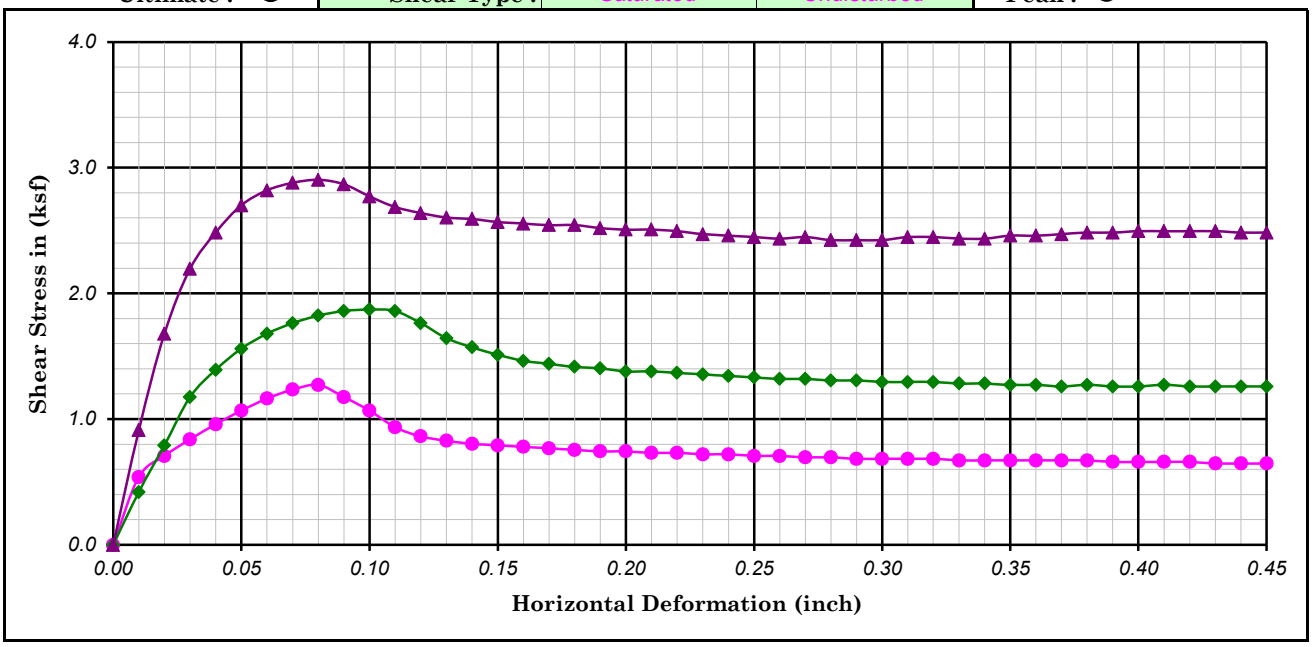
Date : 01/19/22

DIRECT SHEAR TEST
(ASTM D -3080)

Figure B-3a



Ultimate : ○	Shear Type :	Saturated	Undisturbed	Peak : ●



Boring No. : B-4		Strength Intercept (C) :	0.76	(ksf)	Peak	0.07	(ksf)	Ultimate
Sample No. : R-2A			36.20	(kPa)		3.16	(kPa)	
Depth (ft/m) : 10.5	3.20	Friction Angle (ϕ) :	28.37	Degree		30.56	Degree	
Description : Brown Silty Sand - Clayey Sand					Shear Rate (inch/minute) :		0.003	

SYMBOL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	DRY DENSITY (kN/m^3)	VOID RATIO	NORMAL STRESS (ksf)	NORMAL STRESS (kPa)	PEAK STRESS (ksf)	PEAK STRESS (kPa)	ULTIMATE STRESS (ksf)	ULTIMATE STRESS (kPa)
●	18.29	118.99	18.73	0.42	1.00	47.88	1.27	60.90	0.65	31.03
◆	18.89	119.12	18.75	0.42	2.00	95.76	1.87	89.63	1.26	60.33
▲	19.26	119.54	18.81	0.41	4.00	191.52	2.90	139.04	2.42	116.06

GROUP DELTA

LAUSD Garfield HS Major Modernization

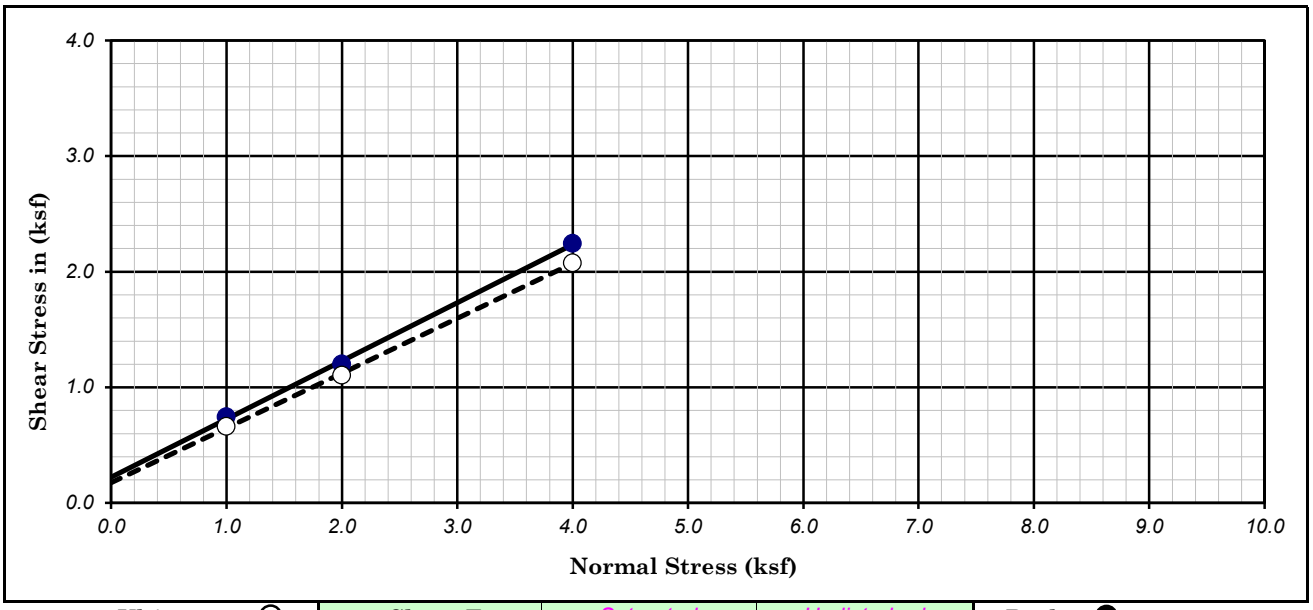
Project No. : LA1553

Date : 01/19/22

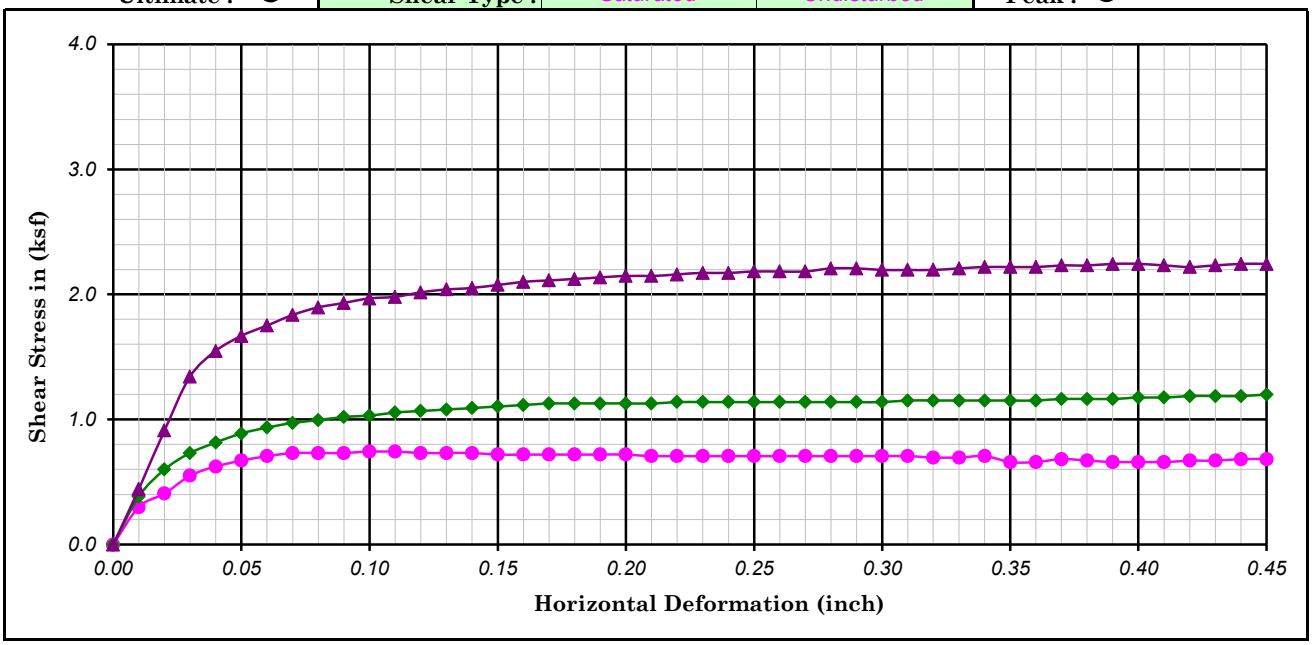
DIRECT SHEAR TEST

(ASTM D -3080)

Figure B-3b



Ultimate : ○ | Shear Type : Saturated | Undisturbed | Peak : ●



Boring No. : B-5		Strength Intercept (C) :	0.22	(ksf)	Peak	0.17	(ksf)	Ultimate
Sample No. : R-1			10.63	(kPa)		8.33	(kPa)	
Depth (ft/m) : 5.0	1.53	Friction Angle (ϕ) :	26.71	Degree		25.36	Degree	
Description : Brown Sandy Silt-Sandy Clay					Shear Rate (inch/minute) :		0.0002	

SYMBOL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	DRY DENSITY (kN/m^3)	VOID RATIO	NORMAL STRESS (ksf)	NORMAL STRESS (kPa)	PEAK STRESS (ksf)	PEAK STRESS (kPa)	ULTIMATE STRESS (ksf)	ULTIMATE STRESS (kPa)
●	20.88	108.32	17.05	0.56	1.00	47.88	0.74	35.62	0.66	31.60
◆	21.69	109.18	17.18	0.54	2.00	95.76	1.20	57.46	1.10	52.86
▲	21.79	112.03	17.63	0.50	4.00	191.52	2.24	107.44	2.08	99.40

GROUP DELTA

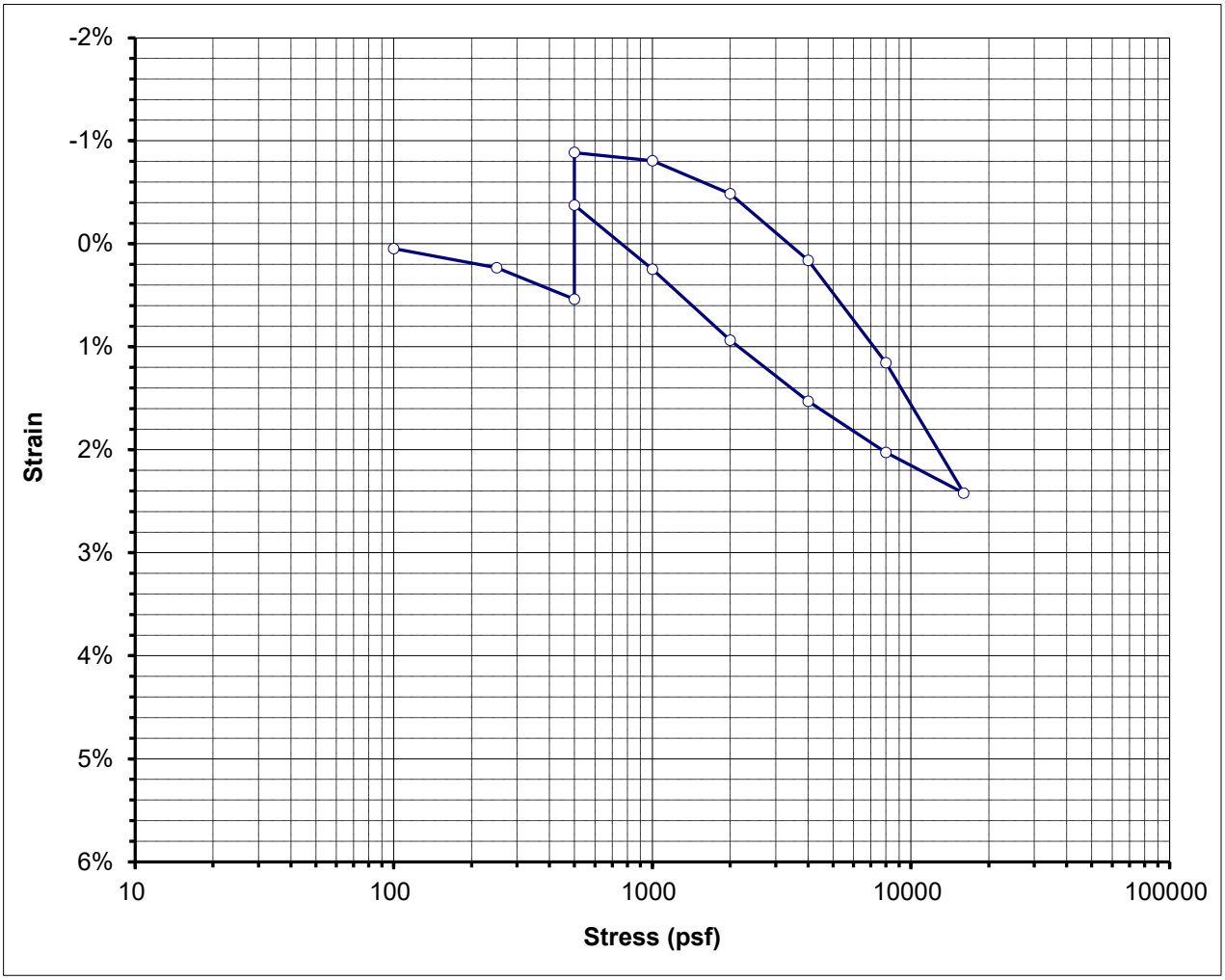
LAUSD Garfield HS Major Modernization

Project No. : LA1553 | Date : 01/19/22

DIRECT SHEAR TEST
(ASTM D -3080)

Figure B-3c

CONSOLIDATION TEST RESULTS
ASTM D-2435



Boring No.	B-1	Sample Depth	10'
Sample No.	R-2	USCS	CL

BEFORE TEST

Initial Moisture Content:	18.57%	
Initial Dry Unit Wt:	112.0	pcf
Initial Total Unit Wt.:	132.8	pcf
Initial Void Ratio:	0.55	
Initial Degree of Saturation:	94.2%	

AFTER TEST

Final Moisture Content:	20.24%	
Final Dry Unit Wt:	111.0	pcf
Final Total Unit Wt.:	133.4	pcf
Final Void Ratio:	0.56	
Final Degree of Saturation:	100.0%	

Water Added at: 500 psf

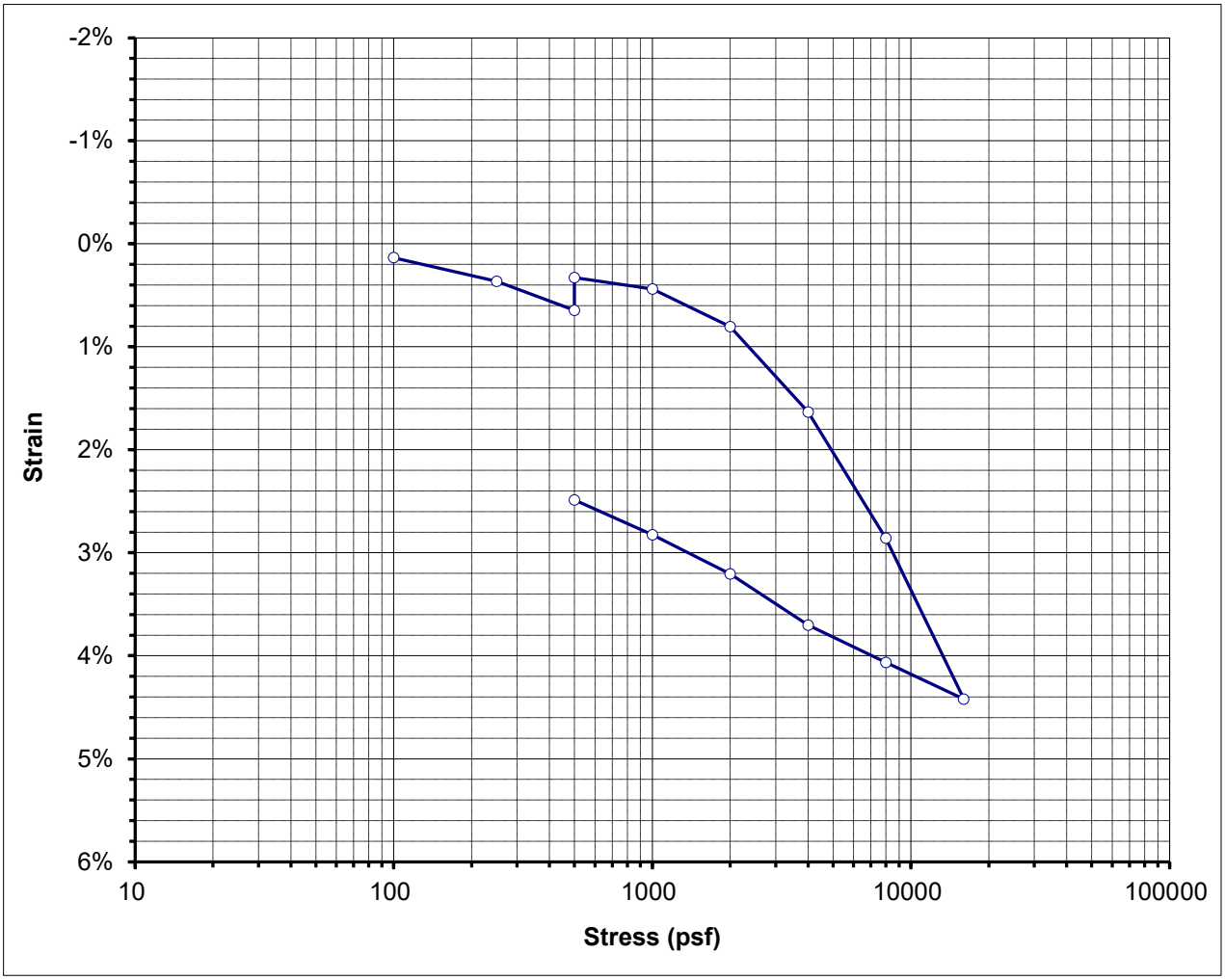
ATTERBERG LIMITS					
LL=	0	PL=	0	PI=	0

Assumed Specific Gravity of Solids, Gs: 2.78

PRESSURE (psf)	SAMPLE STRAIN	VOID RATIO
100	0.05%	0.547
250	0.23%	0.544
500	0.54%	0.539
500	-0.89%	0.561
1000	-0.81%	0.560
2000	-0.48%	0.555
4000	0.16%	0.545
8000	1.15%	0.530
16000	2.42%	0.510
8000	2.03%	0.516
4000	1.53%	0.524
2000	0.94%	0.533
1000	0.25%	0.5439
500	-0.37%	0.5535
250	-0.89%	0.5615

PROJECT NUMBER:	LA1553	PROJECT NAME:	LAUSD Garfield HS	Figure B-4a	GROUP DELTA

CONSOLIDATION TEST RESULTS
ASTM D-2435



Boring No.	B-4	Sample Depth	5'
Sample No.	R-1	USCS	CL

BEFORE TEST

Initial Moisture Content:	16.51%	
Initial Dry Unit Wt:	115.8	pcf
Initial Total Unit Wt.:	134.9	pcf
Initial Void Ratio:	0.49	
Initial Degree of Saturation:	93.5%	

AFTER TEST

Final Moisture Content:	16.53%	
Final Dry Unit Wt:	118.3	pcf
Final Total Unit Wt.:	137.8	pcf
Final Void Ratio:	0.46	
Final Degree of Saturation:	100.0%	

Water Added at: 500 psf

ATTERBERG LIMITS					
LL=	37	PL=	15	PI=	22

Assumed Specific Gravity of Solids, Gs: 2.76

PRESSURE (psf)	SAMPLE STRAIN	VOID RATIO
100	0.13%	0.485
250	0.36%	0.482
500	0.65%	0.478
500	0.33%	0.482
1000	0.44%	0.481
2000	0.81%	0.475
4000	1.63%	0.463
8000	2.86%	0.445
16000	4.42%	0.422
8000	4.06%	0.427
4000	3.70%	0.432
2000	3.21%	0.440
1000	2.82%	0.445
500	2.49%	0.450
250	2.13%	0.456

PROJECT NUMBER:	LA1553	PROJECT NAME:	LAUSD Garfield HS	Figure B-4b

GROUP DELTA

GROUP DELTA

EXPANSION INDEX OF SOIL

ASTM D-4829-10 / UBC 29-2

Lab Number: SO6316

Project Name	: LAUSD Garfield HS	**Sampled By :**		**Date :**	
Project No.	: LA1553	**Prepared By :**	Eric Y.	**Date :**	1/13/2022
Boring No.	: B-3	**Tested By :**	Eric Y.	**Date :**	1/14/2022
Sample No.	: Bulk-1	**Calculated By :**	Eric Y.	**Date :**	1/17/2022
Depth (ft.)	: 0 - 5	**Checked By :**	Asheesh P.	**Date :**	
Description	: Dark Brown Sandy Clay with traces of Gravel				

Sample Preparation

Weight of Total Soil	4902.70	**Weight of Soil Retained on No. 4 Sieve**	225.40	**% Passing No. 4 Sieve**	95.40

Trail	1	2	3	4	Tested	M & D After Test	
Container No.	SB-3					Container No.	
Weight of Wet Soil + Container (gm)	831.70					Wet Soil+Cont.+Ring	
Weight of Dry Soil + Container (gm)	775.20					Dry Soil+Cont.+Ring	
Weight of Container (gm)	233.00					Wt. of Container	
Moisture Content (%)	10.42				10.42	Moisture Content	
Weight of Wet Soil + Ring (gm)	601.00						
Weight of Ring (gm) No. 3.0	200.85				200.85		
Weight of Wet Soil (gm)	400.15						
Wet Density of Soil (pcf)	120.70					Wet Density (pcf)	
Dry Density of Soil (pcf)	109.31					Dry Density (pcf)	
Precent Saturation of Soil $S_{(Meas.)}$	51.91				51.91	(%) Saturation	

Loading Machine No.			3	
Date	**Reading Time**	**Elapsed Time**	**Dial Reading**	**Expansion**
01/14/22	8:45:00	0:10:00		0.0000
01/14/22				
01/14/22	8:55:00	**0:00:00**	**0.3000**	**0.0000**
Add Distilled Water to Sample				
01/14/22	9:55:00	1:00:00	0.3368	0.0368
01/14/22	10:55:00	2:00:00	0.3377	0.0377
01/14/22	11:55:00	3:00:00	0.3380	0.0380
01/14/22	12:55:00	4:00:00	0.3382	0.0382
01/14/22	13:55:00	5:00:00	0.3383	0.0383
01/14/22	14:55:00	6:00:00	0.3384	0.0384
01/14/22	15:55:00	7:00:00	0.3385	0.0385
01/14/22	16:55:00	8:00:00	0.3386	0.0386
01/17/22	7:55:00	71 hrs.	0.3391	0.0391
01/17/22	8:55:00	72 hrs.	0.3391	0.0391
01/17/22	9:55:00	73 hrs.	0.3391	0.0391
01/17/22	10:55:00	74 hrs.	0.3391	0.0391

Remark :

1. *Screen sample through* **No. 4** *Sieve*
2. *Sample should be compacted into a metal ring of the Degree of Saturation of* **50 +/- 2% (48 - 52).**
3. *Inundated sample in distilled water to 24 h, or until the rate of expansion > (0.0002 in./h), no less than 3 h.*

Volume of Mold (ft^3)	0.00731	Specific Gravity	2.70
Rammer Weight (lb.)	5.0	**Blows/Layer**	15
Vertical Confining Pressure		1.0 (lbf/in^2) / 6.9 (kPa)	

$$(\%)\ S = \frac{S.G. \times W \times Dd}{Wd \times S.G. - Dd}$$

S.G.=Specific Gravity, **W**=Water Content

Dd=Dry Soil Density, **Wd**=Unit Wt. of Water

$$E.I._{(meas)} = \frac{\text{Change in High}}{\text{Initial Thickness}} \times 1000 = 39.10$$

$$\text{Expansion Index}_{(50)} = EI_{(meas.)} - (50 - S_{(meas.)}) \times \frac{65 + EI_{(meas.)}}{220 - S_{(meas.)}}$$

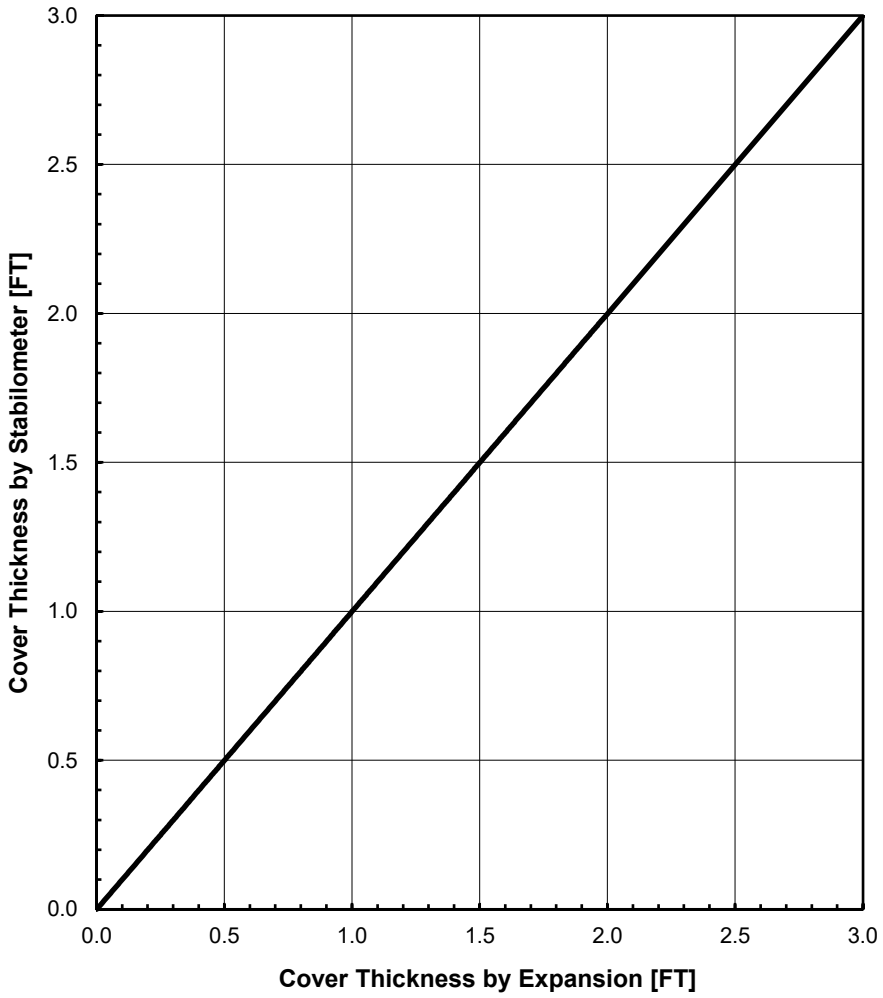
40	**Low**

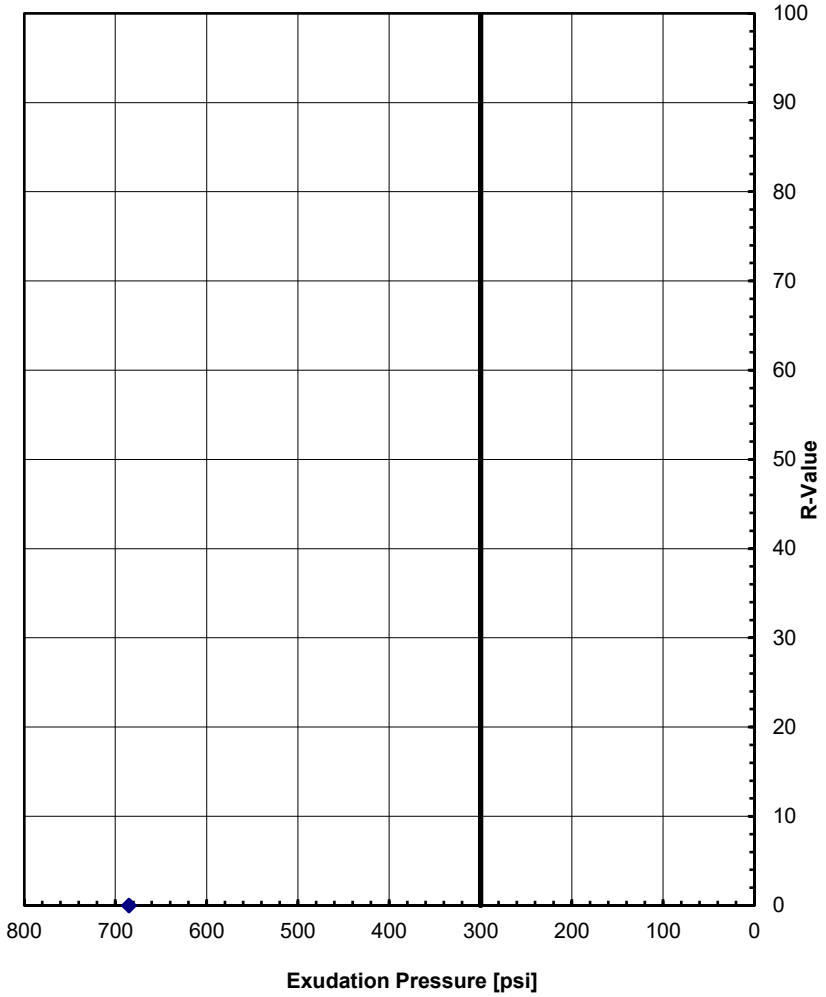
Expansion Index	Potential Expansion
0 - 20	*Very Low*
21 - 50	*Low*
51 - 90	*Medium*
91 - 130	*High*
> 130	*Very High*

Figure B-5

Sample: SO6316, B-4 / Bulk-1 @ 0' - 5'

R-Value at Equilibrium: 0





GROUP DELTA CONSULTANTS, INC.
ENGINEERS AND GEOLOGISTS
1320 SOUTH SIMPSON CIRCLE
ANAHEIM, CALIFORNIA 92806

COVER AND EXUDATION CHARTS

Project No. LA1553

Figure B-6

APPENDIX C – PREVIOUS FIELD INVESTIGATIONS AND LABORATORY TESTING

APPENDIX C
PREVIOUS FIELD INVESTIGATIONS AND LABORATORY TESTING

C.1 Previous Field Investigation

Group Delta had performed previous field investigations at Garfield High School in 2009, 2010, 2019, and 2020. Hollow Stem Auger (HSA) borings, Cone Penetration Test (CPT) soundings, and hand augers were performed during those field investigations which are summarized in Table C-1 below. The location of the borings and CPTs are shown in Figure 2 of the main report. The logs of borings and CPTs are presented in this appendix.

Table C – 1
Summary of Previous Field Investigations

Date	Previous Report No.	Borings/CPTs	Depth (feet)
11/11/2009	L-879	B-1	31.5
		B-3	31.5
		B-5	50.5
		CPT-2	47.7
		CPT-4	52.3
		CPT-6	49.7
1/30/2010	L-879A	B-1	16.5
		B-2	16.5
		B-3	16.5
9/24/2010	L-879C	B-1A	51
		B-2A	31.5
10/5/2019	LA1417	B-1	11.5
		B-2	11.5
		B-3	31.5
2/26/2020	LA1417A	HA-1	5.0
		HA-2	5.0

C.2 Previous Laboratory Testing

Laboratory testing was performed on selected samples during the previous field investigations as an aid in classifying the earth materials and evaluating their physical properties and engineering characteristics. The laboratory testings that were performed included the following:

- Soil Classification
- Moisture content and Dry Unit Weight

- Pocket Penetrometer
- Direct Shear
- One-Dimensional Consolidation
- Soil Expansion Index
- Resistance R-Value
- Soil Corrosivity

Moisture content and dry unit weight are shown on the boring logs. The results of one-dimensional consolidation and direct shear test results are attached in this appendix. The results for soil expansion index, Resistance R-Value, and soil corrosivity are presented in Table C-2, Table C-3, and Table C-4 below respectively.

Table C – 2
Soil Expansion Index (Previous Laboratory Testing)

Date	Boring No.	Depth (feet)	Expansion Index (EI)
11/11/2009	B-5	0 – 5	100
1/30/2010	B-2	0 – 5	74
9/24/2010	B-1A	0 – 5	99
10/5/2019	B-1	0 – 5	51

Table C – 3
Resistance R-Value (Previous Laboratory Testing)

Date	Boring No.	Depth (feet)	Resistance R-Value
10/5/2019	B-2	0 – 5	3

Table C – 4
Soil Corrosivity (Previous Laboratory Testing)

Date	Boring No.	Depth	pH	Chloride Content (%)	Sulfate Content (%)	Minimum Resistivity (ohm-cm)
11/11/2009	B-3	0 – 5	8.0	0.039	0.040	12,095
	B-5	0 – 5	7.4	0.002	0.037	8,555
1/30/2010	B-2	0 – 5	8.2	0.020	0.027	1,150
9/24/2010	B-1A	0 – 5	7.6	0.042	0.001	460 to 675
10/5/2019	B-3	0 – 5	7.0	0.010	0.030	880

PREVIOUS BORING AND CPT LOGS (11/11/2009)

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
Garfield High School	L-879	**B1**

SITE LOCATION	START	FINISH	SHEET NO.
East Los Angeles, Ca	11/11/2009	11/11/2009	1 of 1

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	Hollow Stem Auger	EMH	CAG

DRILLING EQUIPMENT	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GROUND WATER (ft)
Mobile B-61	8	31.5		▼ / *na*

SAMPLING METHOD
Hammer: 140 lbs., Drop: 30 in.

NOTES

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	DRY DENSITY (pcf)	MOISTURE (%)	OTHER TESTS	% PASSING #200	ATTERBERG LIMITS LL:PL:PI	POCKET PEN (tsf)	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
												Artificial Fill (af) **Silty Clay (CL)**, brown, moist, some fine sand and trace fine gravel
5			R-5	7 8 10	109.1	12.2				>4.5		**Native** **Silty Clay (CL)**, brown, moist, firm, some fine sand and trace fine gravel
10			S-10	6 9 12		16.2						-Very Stiff
15			R-15	10 18 20	118.2	3.2						-Lamination of reddish brown silty sand, medium dense
20			S-20	8 11 13		2.3						**Silty Sand (SM)**, tannish to reddish brown, slightly moist, medium dense, fine to coarse sand
25			R-25	9 9 10	108.8	19.0				2.5-3.5		**Silty Clay (CL)**, brown, moist, stiff, some fine sand, moderately porous, micaceous
30			S-30	11 17 21		3.2						**Silty Sand (SM)**, tan to reddish brown. slightly moist, dense, fine to coarse sand and some fine gravel
35												Total Depth: 31.5 Feet Groundwater: Not encountered to maximum depth explored Fill: Approximately 5 Feet Boring backfilled upon completion

GDC_LOG_BORING_1A_LA2 L-879 BORING LOGS.GPJ GDCLOG.GDT 12/10/09

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370 Amapola Avenue, Suite 212
Torrance, CA 90501

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE C-1

LOG OF TEST BORING

PROJECT NAME Garfield High School		**PROJECT NUMBER** L-879	**BORING** B3
SITE LOCATION East Los Angeles, Ca	**START** 11/11/2009	**FINISH** 11/11/2009	**SHEET NO.** 1 of 1
DRILLING COMPANY Choice Drilling	**DRILLING METHOD** Hollow Stem Auger	**LOGGED BY** EMH	**CHECKED BY** CAG
DRILLING EQUIPMENT Mobile B-61	**BORING DIA. (in)** 8	**TOTAL DEPTH (ft)** 31.5	**GROUND ELEV (ft)**	**DEPTH/*ELEV.* GROUND WATER (ft)** ▼ / *na*
SAMPLING METHOD Hammer: 140 lbs., Drop: 30 in.	**NOTES**			

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	DRY DENSITY (pcf)	MOISTURE (%)	OTHER TESTS	% PASSING #200	ATTERBERG LIMITS LL:PL:PI	POCKET PEN (tsf)	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			B-1									**Artificial Fill (af)** **Clayey Silt (ML)**, dark brown, moist, some fine to medium sand, rootlets
5			S-5	6 7 8		12.4						-stiff
10			R-10	10 18 24	113.8	16.0				>4.5		-very hard
												Native
15			S-15	12 15 17		17.7						**Silty Clay (CL)**, reddish brown, moist, hard, some fine to medium grained sand, low porosity
20			R-20	12 17 21	119.6	12.2				>4.5		-Lamination of Clayey Silt, hard
25			S-25	9 11 12		9.4						**Silty Sand to Sandy Silt (SM/ML)** reddish brown, slightly moist,medium dense, fine grained sand, some clay
30			R-30	12 14 17	98.0	8.5						
35												Total Depth: 31.5 Feet Groundwater: Not encountered to maximum depth explored Fill: Approximately 12 feet Boring Backfilled and patched upon completion

GDC_LOG_BORING_1A_LA2 L-879 BORING LOGS.GPJ GDCLOG.GDT 12/10/09

GROUP DELTA CONSULTANTS, INC.
370 Amapola Avenue, Suite 212
Torrance, CA 90501

FIGURE C-2

LOG OF TEST BORING

PROJECT NAME Garfield High School		**PROJECT NUMBER** L-879	**BORING** **B5**
SITE LOCATION East Los Angeles, Ca	**START** 11/11/2009	**FINISH** 11/11/2009	**SHEET NO.** 1 of 2
DRILLING COMPANY Choice Drilling	**DRILLING METHOD** Hollow Stem Auger	**LOGGED BY** EMH	**CHECKED BY** CAG
DRILLING EQUIPMENT Mobile B-61	**BORING DIA. (in)** 8	**TOTAL DEPTH (ft)** 50.5	**GROUND ELEV (ft)**
SAMPLING METHOD Hammer: 140 lbs., Drop: 30 in.	**NOTES**		**DEPTH/ELEV. GROUND WATER (ft)** ▼ / *na*

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	DRY DENSITY (pcf)	MOISTURE (%)	OTHER TESTS	% PASSING #200	ATTERBERG LIMITS LL:PL:PI	POCKET PEN (tsf)	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
			B-1									**Artificial Fill (af)** **Silty Clay (CL)**, dark brown, moist, some fine to medium sand
5			R-5	4 5 6	93.3	12.7				3.0		**Native** **Silty Clay (CL)**, brown to reddish brown, slightly moist, firm, some sand
10			S-10	6 12 14		16.2				>4.5		-Brown, very stiff, moderate porosity
15			R-15	8 14 20	109.7	16.3				>4.5		**Clayey Silt (ML)**, medium brown to reddish brown, slightly moist, very stiff, some sand, moderate porosity
20			S-20	8 14 19		14.9				4.0		
25			R-25	8 20 24	114.2	2.3						**Sand (SP)**, tannish brown, slightly moist, medium dense, fine to coarse sand and occasional fine gravel, minor oxidation
30			S-30	7 7 9		24.5						**Clayey Silt (ML)** , light reddish brown, moist, some fine sand
35			R-35	10 12	112.5	10.3				>4.5		**Sandy Silt (ML)**, reddish brown, slightly moist, fine sand, some clay

GDC_LOG_BORING_1A_LA2 L-879 BORING LOGS.GPJ GDCLOG.GDT 12/10/09

GROUP DELTA CONSULTANTS, INC.
370 Amapola Avenue, Suite 212
Torrance, CA 90501

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE C-3 a

LOG OF TEST BORING

PROJECT NAME Garfield High School		**PROJECT NUMBER** L-879	**BORING** **B5**
SITE LOCATION East Los Angeles, Ca	**START** 11/11/2009	**FINISH** 11/11/2009	**SHEET NO.** 2 of 2
DRILLING COMPANY Choice Drilling	**DRILLING METHOD** Hollow Stem Auger	**LOGGED BY** EMH	**CHECKED BY** CAG
DRILLING EQUIPMENT Mobile B-61	**BORING DIA. (in)** 8	**TOTAL DEPTH (ft)** 50.5	**GROUND ELEV (ft)**
SAMPLING METHOD Hammer: 140 lbs., Drop: 30 in.	**NOTES**		**DEPTH/*ELEV.* GROUND WATER (ft)** ▼ / *na*

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	DRY DENSITY (pcf)	MOISTURE (%)	OTHER TESTS	% PASSING #200	ATTERBERG LIMITS LL:PL:PI	POCKET PEN (tsf)	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
				16								
40			S-40	8 12 15		12.3				>4.5		**Silty Clay (CL)**, brown, slightly moist, very stiff, some fine sand, micaceous, moderate porosity
45			R-45	25 50/6"	122.1	9.9				>4.5		**Sandy Clay to Clayey Sand with gravel (CL/SC)** tannish brown to brown, slightly moist, hard to very dense, fine to coarse sand, fine gravel
50			S-50	50/6"		5.2						Total Depth: 50.5 Feet Groundwater: Not encountered to maximum depth explored Fill: Approximately 5 feet Boring backfilled upon completion
55												
60												
65												
70												

GDC_LOG_BORING_1A_LA2 L-879 BORING LOGS.GPJ GDCLOG.GDT 12/10/09

GROUP DELTA CONSULTANTS, INC.
370 Amapola Avenue, Suite 212
Torrance, CA 90501

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

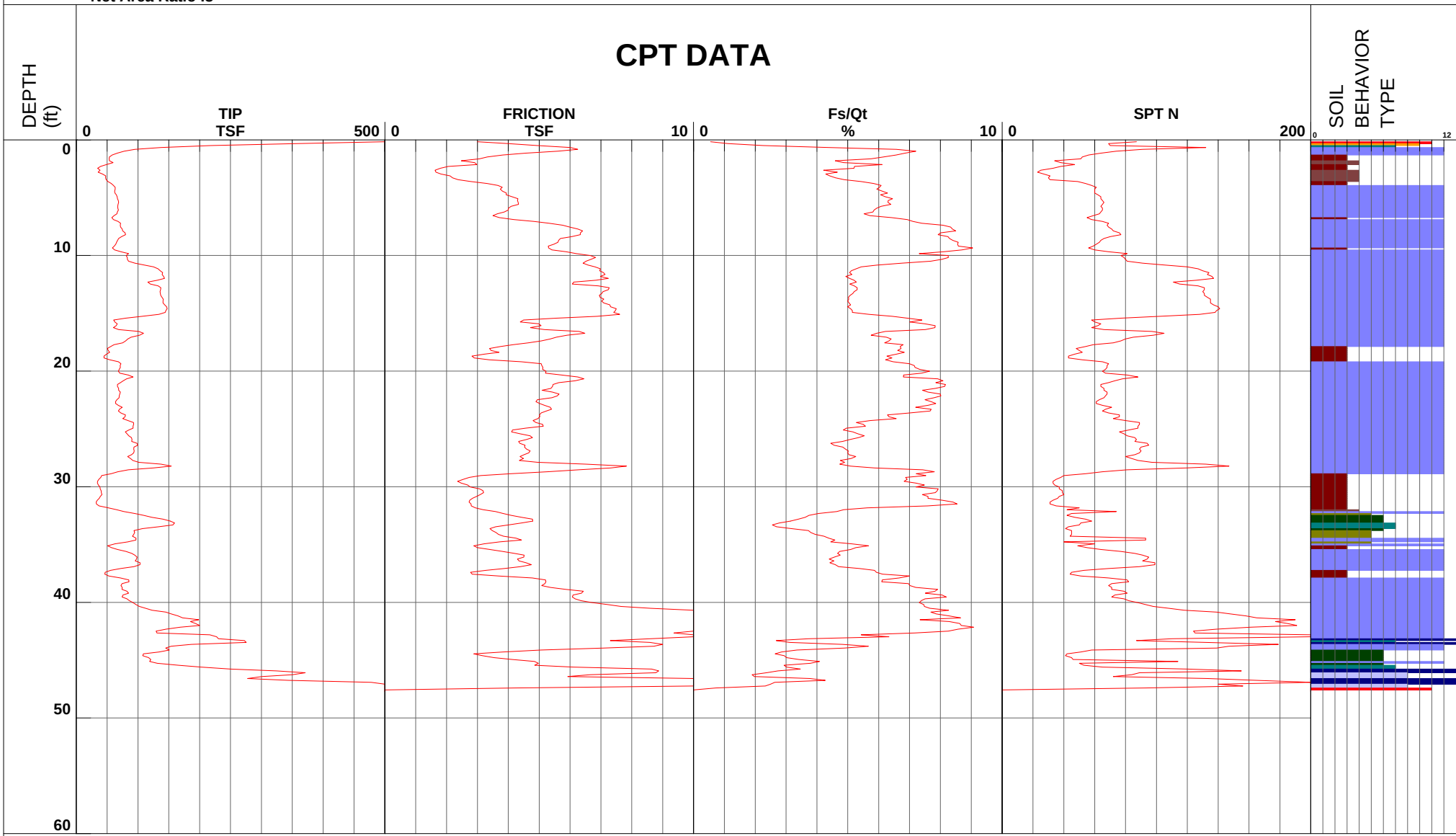
FIGURE C-3 b

Group Delta Consultants

Project	Garfield High School	Operator	ML-AH	Filename	SDF(331).cpt
Job Number	L879	Cone Number	DSG0786	GPS	
Hole Number	CPT-02	Date and Time	11/11/2009 11:08:55 AM	Maximum Depth	47.74 ft
Water Table Depth		>50.00 ft			

Net Area Ratio .8

CPT DATA



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

*Soil behavior type and SPT based on data from UBC-1983

"
"Output file from CPTINT - Version 5.2
"==================================
"INPUT FILE: c:\CPTInt\CPT02.csv
"------------------------------
"
"Developed by: UBC In-Situ Testing FREEWARE
"   Program: Piezocone Interpretation
"   Web Site: www.civil.ubc.ca/home/in-situ
"
"Interpreter Name: YL
"
"
"SUMMARY SHEET
"-------------
"'a' for calculating Qt: 0.850
"Value for Water Table (in m):   15.240
"Valid Zone Classification based on: Rf
"Missing unit weight to start depth: 18.860
"Method for calculating Su: Nk
"Value of the constant Nk: 15.000
"Method used to calculate OCR: Su/EOS
"(Su/EOS) for normal consolidation: 0.200
"Define Zone 6 for Sand Parameters?   NO
"Method for Friction Angle: Robertson & Campanella
"Vertical Flow Gradient, i (- up):   +0.000
"CPT to SPT N60 Conversion: Robertson & Campanella
"
"Soil Behavior Type Zone Numbers
"For Rf Zone & Bq Zone Classification
"-----------------------------------
"Zone #1=Sensitive fine grained   Zone #7 =Silty sand
"Zone #2=Organic material   Zone #8 =Fine sand
"Zone #3=Clay   Zone #9 =Sand
"Zone #4=Silty clay   Zone #10=Gravelly sand
"Zone #5=Clayey silt   Zone #11=Very stiff fine grained *
"Zone #6=Sandy silt   Zone #12=Sand to clayey sand *
"   * Overconsolidated and/or cemented
"
"NOTE:
"-----
"For soil classification, Rf values > 8 are assumed to be 8.
"
"(Note: 9E9 means Out Of Range)
"
"---| INPUT FILE: c:\CPTInt\CPT02.csv |----------

Depth (feet)	Qt(avg) (TSF)	Fs(avg) (TSF)	Rf (%)	Ic index	FC (%)	Rf Zone (zone #)	Spt N (blow/ft)	Spt N1 (blow/ft)	Su (TSF)	OCR (ratio)	Phi (degree)
0.500	177.260	5.360	3.024	2.260	41.028	7	57	86	9E9	9E9	50
1.500	57.600	3.367	5.845	2.506	51.430	3	55	83	3.834	799.471	9E9
2.500	39.917	2.000	5.010	2.482	50.433	3	38	57	2.651	262.557	9E9
3.500	52.050	2.750	5.283	2.519	52.008	3	50	75	3.456	238.755	9E9
4.500	63.717	3.867	6.069	2.602	55.504	11	61	92	9E9	9E9	9E9
5.500	67.700	4.217	6.228	2.634	56.861	11	65	98	9E9	9E9	9E9
6.500	63.367	3.817	6.023	2.647	57.423	11	61	92	9E9	9E9	9E9
7.500	72.183	5.767	7.989	2.802	63.986	11	69	104	9E9	9E9	9E9
8.500	72.233	5.933	7.990	2.834	65.368	11	69	104	9E9	9E9	9E9
9.500	67.300	5.600	7.990	2.868	66.807	11	64	93	9E9	9E9	9E9
10.500	94.657	6.643	7.018	2.743	61.482	11	91	122	9E9	9E9	9E9
11.500	138.750	7.067	5.093	2.531	52.514	11	133	165	9E9	9E9	9E9
12.500	128.967	6.733	5.221	2.566	53.986	11	124	144	9E9	9E9	9E9

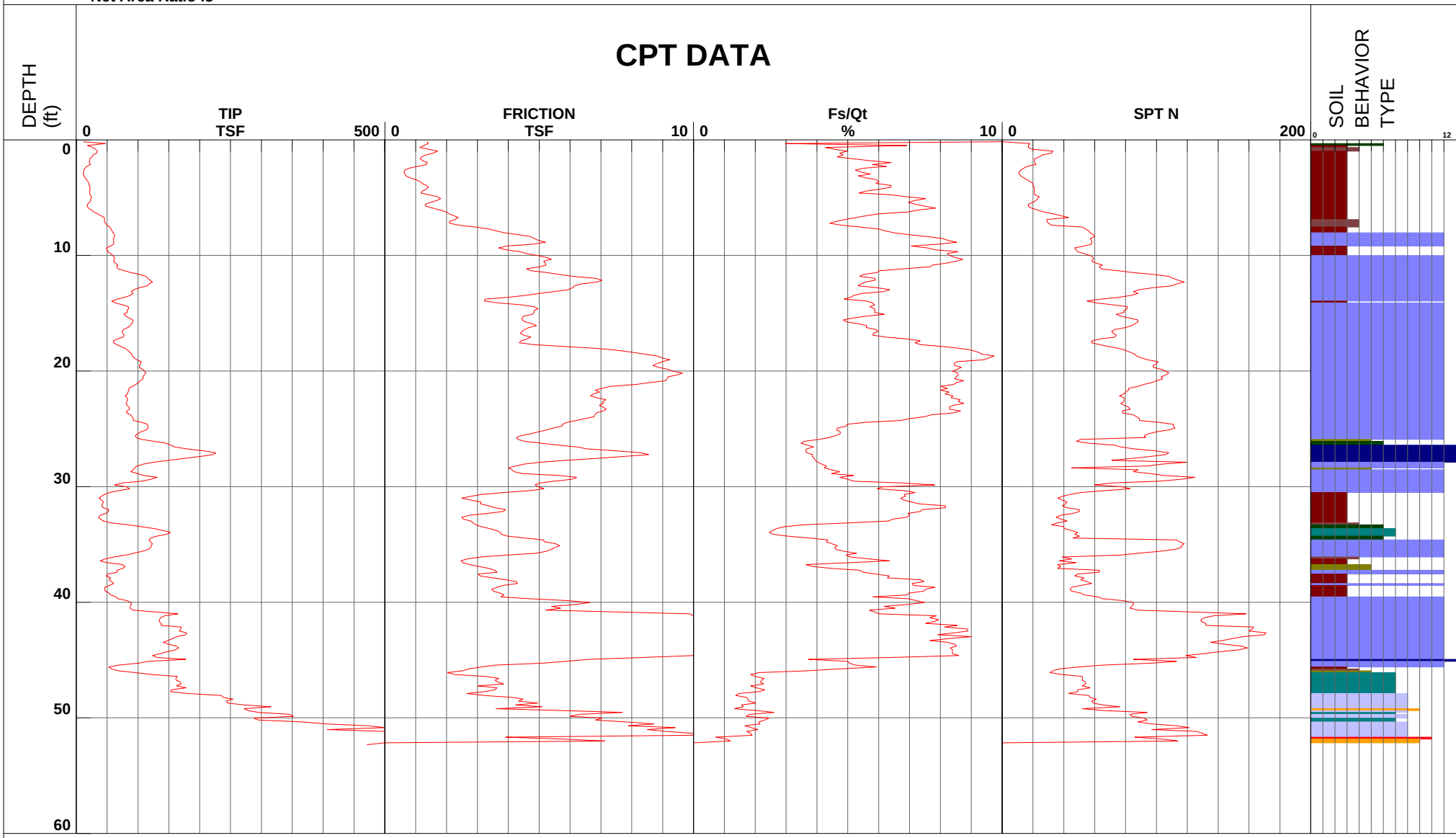
13.500	138.217	7.017	5.077	2.552	53.407	11	132	145	9E9	9E9	9E9
14.500	144.533	7.350	5.085	2.557	53.618	11	138	143	9E9	9E9	9E9
15.500	85.100	5.667	6.659	2.795	63.685	11	82	81	9E9	9E9	9E9
16.500	84.433	5.617	6.652	2.807	64.199	11	81	76	9E9	9E9	9E9
17.500	74.167	4.767	6.427	2.824	64.937	11	71	63	9E9	9E9	9E9
18.500	49.267	3.233	6.563	2.930	69.429	3	47	40	3.203	24.878	9E9
19.500	67.883	4.700	6.924	2.900	68.167	11	65	53	9E9	9E9	9E9
20.500	78.767	5.833	7.406	2.915	68.803	11	75	59	9E9	9E9	9E9
21.500	69.229	5.414	7.821	2.978	71.470	11	66	50	9E9	9E9	9E9
22.500	66.767	5.167	7.738	2.990	71.959	11	64	47	9E9	9E9	9E9
23.500	74.033	5.183	7.001	2.927	69.301	11	71	50	9E9	9E9	9E9
24.500	88.183	4.917	5.576	2.785	63.277	11	84	58	9E9	9E9	9E9
25.500	85.333	4.450	5.215	2.767	62.512	11	82	55	9E9	9E9	9E9
26.500	94.733	4.500	4.750	2.706	59.946	11	91	59	9E9	9E9	9E9
27.500	91.117	4.567	5.012	2.750	61.776	11	87	55	9E9	9E9	9E9
28.500	104.050	6.217	5.975	2.817	64.653	11	100	61	9E9	9E9	9E9
29.500	37.050	2.650	7.152	3.154	78.941	3	35	21	2.339	9.315	9E9
30.500	39.833	3.067	7.699	3.178	79.966	3	38	22	2.521	9.833	9E9
31.500	41.557	2.857	6.875	3.122	77.552	3	40	23	2.631	9.989	9E9
32.500	116.150	4.250	3.659	2.576	54.419	6	45	25	7.600	36.249	9E9
33.500	124.167	3.750	3.020	2.474	50.072	6	48	26	8.130	38.049	9E9
34.500	87.400	3.850	4.405	2.745	61.594	11	84	45	9E9	9E9	9E9
35.500	73.333	3.633	4.955	2.851	66.088	11	70	36	9E9	9E9	9E9
36.500	98.667	4.467	4.527	2.744	61.524	11	95	48	9E9	9E9	9E9
37.500	57.550	3.550	6.169	3.030	73.683	3	55	28	3.672	12.227	9E9
38.500	77.667	5.333	6.867	3.015	73.027	11	74	37	9E9	9E9	9E9
39.500	80.867	6.267	7.749	3.071	75.400	11	77	39	9E9	9E9	9E9
40.500	111.950	8.583	7.667	2.999	72.368	11	107	54	9E9	9E9	9E9
41.499	178.083	14.550	7.990	2.945	70.059	11	171	86	9E9	9E9	9E9
42.499	173.986	13.057	7.505	2.910	68.578	11	167	84	9E9	9E9	9E9
43.499	210.617	8.217	3.901	2.544	53.054	12	101	51	9E9	9E9	9E9
44.499	123.317	3.767	3.054	2.549	53.259	6	47	24	8.025	26.177	9E9
45.499	198.767	6.383	3.211	2.468	49.818	6	76	38	13.051	46.829	9E9
46.499	353.600	9.850	2.786	2.285	42.076	12	169	85	9E9	9E9	9E9
47.499	606.833	11.333	1.868	1.988	29.473	8	145	73	9E9	9E9	9E9

Group Delta Consultants

Project	Garfield High School	Operator	ML-AH	Filename	SDF(329).cpt
Job Number	L879	Cone Number	DSG0786	GPS	
Hole Number	CPT-04	Date and Time	11/11/2009 7:50:07 AM	Maximum Depth	52.33 ft
Water Table Depth			>50.00 ft		

Net Area Ratio .8

CPT DATA



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11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

*Soil behavior type and SPT based on data from UBC-1983

"
"Output file from CPTINT - Version 5.2
"==================================
"INPUT FILE: c:\CPTInt\CPT04.csv
"------------------------------
"
"Developed by: UBC In-Situ Testing FREEWARE
"   Program: Piezocone Interpretation
"   Web Site: www.civil.ubc.ca/home/in-situ
"
"Interpreter Name: YL
"
"
"SUMMARY SHEET
"-------------
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"Value for Water Table (in m):   15.240
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"Value of the constant Nk: 15.000
"Method used to calculate OCR: Su/EOS
"(Su/EOS) for normal consolidation: 0.200
"Define Zone 6 for Sand Parameters?   NO
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"Vertical Flow Gradient, i (- up):   +0.000
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"Soil Behavior Type Zone Numbers
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"-----------------------------------
"Zone #1=Sensitive fine grained   Zone #7 =Silty sand
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"Zone #3=Clay   Zone #9 =Sand
"Zone #4=Silty clay   Zone #10=Gravelly sand
"Zone #5=Clayey silt   Zone #11=Very stiff fine grained *
"Zone #6=Sandy silt   Zone #12=Sand to clayey sand *
"   * Overconsolidated and/or cemented
"
"NOTE:
"-----
"For soil classification, Rf values > 8 are assumed to be 8.
"
"(Note: 9E9 means Out Of Range)
"
"---| INPUT FILE: c:\CPTInt\CPT04.csv |--
" Depth   Qt(avg)   Fs(avg)   Rf   Ic   FC   Rf Zone   Spt N   Spt N1   Su   OCR   Phi
" (feet)   (TSF)   (TSF)   (%)   index   (%)   (zone #) (blow/ft) (blow/ft) (TSF)   (ratio)   (degree)
"---
    0.500   31.500   1.380   4.381   2.335   44.171   4   20   30   2.098   1435.944   9E9
    1.500   25.100   1.300   5.179   2.497   51.079   3   24   36   1.667   272.864   9E9
    2.500   14.900   0.850   5.705   2.691   59.282   3   14   21   0.983   74.445   9E9
    3.500   17.433   1.017   5.832   2.733   61.089   3   17   26   1.148   59.331   9E9
    4.500   22.467   1.383   6.157   2.761   62.266   3   22   33   1.479   59.507   9E9

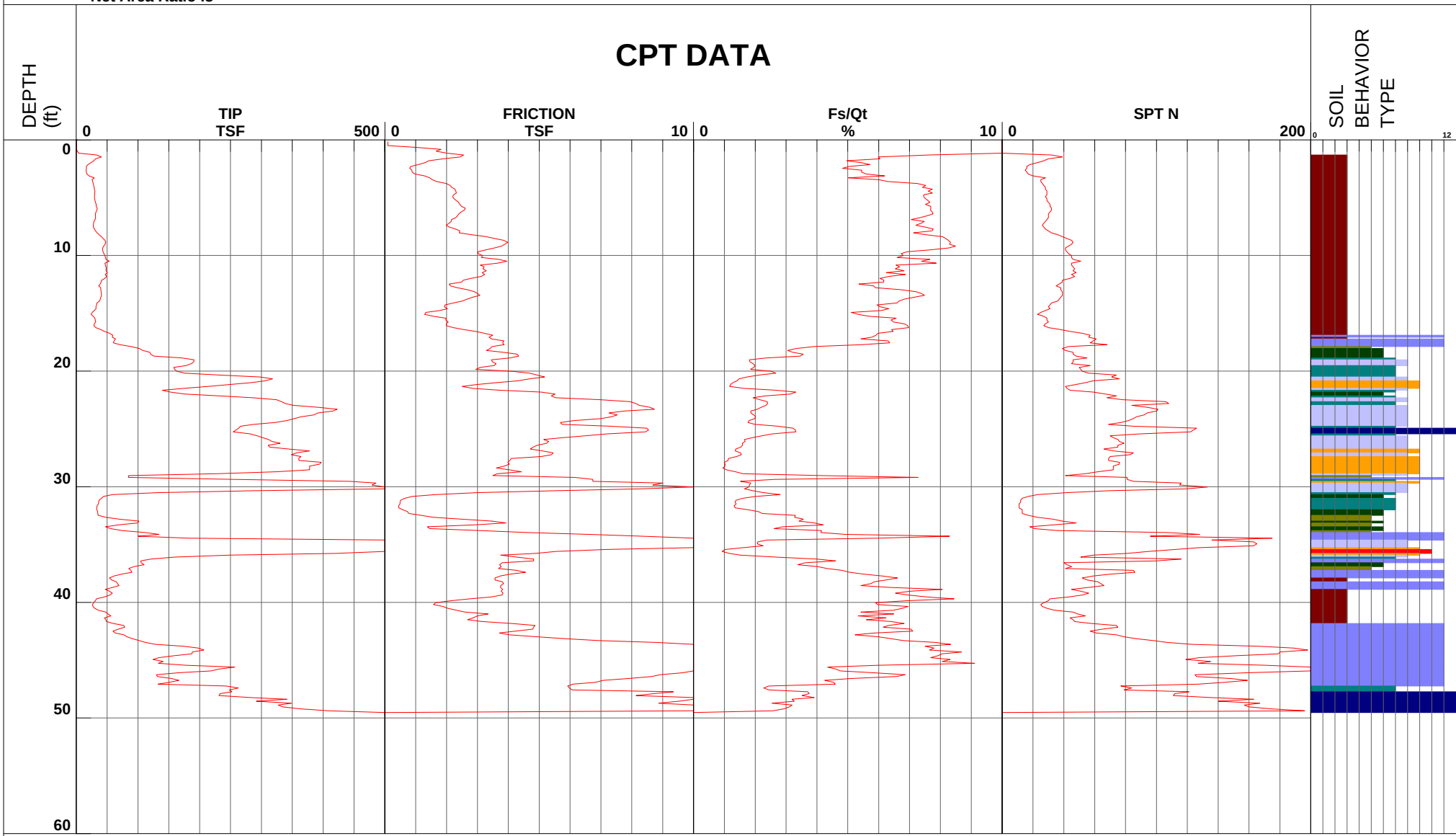
5.500	20.767	1.533	7.384	2.907	68.431	3	20	30	1.362	41.753	9E9
6.500	36.417	2.133	5.858	2.715	60.303	3	35	53	2.401	68.848	9E9
7.500	51.900	2.750	5.299	2.627	56.565	3	50	75	3.429	89.889	9E9
8.500	60.900	4.650	7.635	2.815	64.564	11	58	87	9E9	9E9	9E9
9.500	53.683	4.217	7.855	2.868	66.794	3	51	76	3.539	68.866	9E9
10.500	62.843	5.143	7.990	2.881	67.337	11	60	82	9E9	9E9	9E9
11.500	94.317	5.500	5.831	2.653	57.694	11	90	114	9E9	9E9	9E9
12.500	111.933	6.400	5.718	2.631	56.731	11	107	127	9E9	9E9	9E9
13.500	78.683	4.267	5.423	2.672	58.486	11	75	84	9E9	9E9	9E9
14.500	78.783	4.583	5.818	2.722	60.588	11	75	79	9E9	9E9	9E9
15.500	86.267	4.617	5.352	2.675	58.593	11	83	83	9E9	9E9	9E9
16.500	79.117	4.567	5.772	2.741	61.422	11	76	72	9E9	9E9	9E9
17.500	66.883	4.783	7.152	2.895	67.926	11	64	58	9E9	9E9	9E9
18.500	87.367	8.117	7.990	2.992	72.038	11	84	73	9E9	9E9	9E9
19.500	103.267	8.967	7.990	2.937	69.726	11	99	82	9E9	9E9	9E9
20.500	109.000	9.283	7.990	2.927	69.281	11	104	83	9E9	9E9	9E9
21.500	89.414	7.357	7.990	2.952	70.367	11	86	66	9E9	9E9	9E9
22.500	81.633	6.983	7.990	2.998	72.312	11	78	58	9E9	9E9	9E9
23.500	85.683	6.983	7.990	2.973	71.230	11	82	59	9E9	9E9	9E9
24.500	106.583	5.917	5.551	2.742	61.472	11	102	71	9E9	9E9	9E9
25.500	102.750	4.667	4.542	2.656	57.824	11	98	66	9E9	9E9	9E9
26.500	161.717	5.917	3.659	2.465	49.709	12	77	50	9E9	9E9	9E9
27.500	182.917	7.033	3.845	2.475	50.132	12	88	56	9E9	9E9	9E9
28.500	97.133	4.250	4.375	2.674	58.572	11	93	57	9E9	9E9	9E9
29.500	100.500	5.567	5.539	2.792	63.564	11	96	57	9E9	9E9	9E9
30.500	62.933	4.117	6.541	2.986	71.788	11	60	35	9E9	9E9	9E9
31.500	43.200	3.200	7.407	3.146	78.574	3	41	23	2.741	10.561	9E9
32.500	43.117	2.933	6.803	3.113	77.198	3	41	23	2.732	10.132	9E9
33.500	110.700	3.283	2.966	2.491	50.789	6	42	23	7.233	33.014	9E9
34.500	126.533	4.683	3.701	2.575	54.348	6	48	26	8.284	37.774	9E9
35.500	106.467	5.117	4.806	2.748	61.699	11	102	53	9E9	9E9	9E9
36.500	58.450	2.767	4.733	2.892	67.834	4	37	19	3.737	13.023	9E9
37.500	60.550	3.367	5.560	2.966	70.960	11	58	29	9E9	9E9	9E9
38.500	52.867	3.900	7.377	3.142	78.416	3	51	26	3.356	10.658	9E9
39.500	61.683	4.250	6.890	3.077	75.649	11	59	30	9E9	9E9	9E9
40.500	95.433	6.100	6.392	2.942	69.952	11	91	46	9E9	9E9	9E9
41.499	141.917	10.550	7.434	2.939	69.793	11	136	68	9E9	9E9	9E9
42.499	166.286	14.186	7.990	2.983	71.682	11	159	80	9E9	9E9	9E9
43.499	154.017	12.700	7.990	2.985	71.756	11	148	74	9E9	9E9	9E9
44.499	145.850	10.450	7.165	2.929	69.381	11	140	70	9E9	9E9	9E9
45.499	77.600	3.817	4.918	2.895	67.945	11	74	37	9E9	9E9	9E9
46.499	145.867	3.100	2.125	2.346	44.635	7	47	24	9E9	9E9	37
47.499	166.400	3.317	1.993	2.287	42.159	7	53	27	9E9	9E9	37
48.499	247.900	4.200	1.694	2.118	34.989	8	59	30	9E9	9E9	39
49.499	309.900	5.750	1.855	2.117	34.935	8	74	37	9E9	9E9	41
50.499	388.733	7.933	2.041	2.121	35.120	8	93	47	9E9	9E9	41
51.499	518.233	7.967	1.537	1.924	26.750	9	99	50	9E9	9E9	43
52.499	594.200	7.100	1.195	1.771	20.274	9	114	57	9E9	9E9	9E9

Group Delta Consultants

Project	Garfield High School	Operator	ML-AH	Filename	SDF(330).cpt
Job Number	L879	Cone Number	DSG0786	GPS	
Hole Number	CPT-06	Date and Time	11/11/2009 9:33:31 AM	Maximum Depth	49.70 ft
Water Table Depth		>50.00 ft			

Net Area Ratio .8

CPT DATA



1 - sensitive fine grained
2 - organic material
3 - clay
4 - silty clay to clay
5 - clayey silt to silty clay
6 - sandy silt to clayey silt
7 - silty sand to sandy silt
8 - sand to silty sand
9 - sand
10 - gravelly sand to sand
11 - very stiff fine grained (*)
12 - sand to clayey sand (*)

Cone Size 10cm squared

*Soil behavior type and SPT based on data from UBC-1983

"
"Output file from CPTINT - Version 5.2
"==================================
"INPUT FILE: c:\CPTInt\CPT06.csv
"------------------------------
"
"Developed by: UBC In-Situ Testing FREEWARE
"   Program: Piezocone Interpretation
"   Web Site: www.civil.ubc.ca/home/in-situ
"
"Interpreter Name: YL
"
"
"SUMMARY SHEET
"-------------
"'a' for calculating Qt: 0.850
"Value for Water Table (in m):   15.240
"Valid Zone Classification based on: Rf
"Missing unit weight to start depth: 18.860
"Method for calculating Su: Nk
"Value of the constant Nk: 15.000
"Method used to calculate OCR: Su/EOS
"(Su/EOS) for normal consolidation: 0.200
"Define Zone 6 for Sand Parameters?   NO
"Method for Friction Angle: Robertson & Campanella
"Vertical Flow Gradient, i (- up):   +0.000
"CPT to SPT N60 Conversion: Robertson & Campanella
"
"Soil Behavior Type Zone Numbers
"For Rf Zone & Bq Zone Classification
"-----------------------------------
"Zone #1=Sensitive fine grained   Zone #7 =Silty sand
"Zone #2=Organic material   Zone #8 =Fine sand
"Zone #3=Clay   Zone #9 =Sand
"Zone #4=Silty clay   Zone #10=Gravelly sand
"Zone #5=Clayey silt   Zone #11=Very stiff fine grained *
"Zone #6=Sandy silt   Zone #12=Sand to clayey sand *
"   * Overconsolidated and/or cemented
"
"NOTE:
"-----
"For soil classification, Rf values > 8 are assumed to be 8.
"
"(Note: 9E9 means Out Of Range)
"
"---| INPUT FILE: c:\CPTInt\CPT06.csv |----------

Depth (feet)	Qt(avg) (TSF)	Fs(avg) (TSF)	Rf (%)	Ic index	FC (%)	Rf Zone (zone #)	Spt N (blow/ft)	Spt N1 (blow/ft)	Su (TSF)	OCR (ratio)	Phi (degree)
0.500	1.240	0.960	7.990	4.128	100.000	2	1	2	0.081	46.788	9E9
1.500	27.017	1.917	7.094	2.639	57.073	3	26	39	1.797	441.229	9E9
2.500	17.000	0.917	5.392	2.610	55.859	3	16	24	1.125	109.508	9E9
3.500	26.283	1.683	6.405	2.695	59.475	3	25	38	1.739	116.089	9E9
4.500	29.650	2.250	7.589	2.809	64.306	3	28	42	1.960	95.010	9E9
5.500	31.650	2.400	7.583	2.833	65.292	3	30	45	2.089	78.335	9E9
6.500	31.600	2.400	7.595	2.863	66.589	3	30	45	2.081	62.346	9E9
7.500	28.900	2.183	7.555	2.903	68.289	3	28	42	1.897	45.931	9E9
8.500	41.617	3.333	7.990	2.892	67.835	3	40	60	2.741	61.702	9E9
9.500	44.250	3.433	7.759	2.885	67.533	3	42	63	2.912	57.549	9E9
10.500	48.214	3.414	7.081	2.841	65.656	3	46	66	3.172	56.219	9E9
11.500	48.300	3.133	6.487	2.813	64.447	3	46	61	3.174	49.992	9E9
12.500	39.400	2.367	6.007	2.830	65.195	3	38	47	2.576	34.581	9E9

13.500	39.717	2.833	7.134	2.932	69.495	3	38	44	2.593	31.571	9E9
14.500	30.917	1.867	6.038	2.919	68.960	3	30	33	2.002	20.845	9E9
15.500	28.967	1.833	6.329	2.973	71.258	3	28	29	1.868	17.545	9E9
16.500	43.167	2.733	6.332	2.898	68.059	3	41	41	2.811	26.982	9E9
17.500	67.183	3.667	5.458	2.744	61.555	11	64	61	9E9	9E9	9E9
18.500	124.517	3.867	3.105	2.350	44.823	6	48	43	8.225	88.726	9E9
19.500	177.183	3.350	1.891	2.040	31.677	8	42	37	9E9	9E9	43
20.500	248.683	4.650	1.870	1.986	29.370	8	60	50	9E9	9E9	45
21.500	198.400	3.743	1.887	2.036	31.524	8	48	39	9E9	9E9	43
22.500	310.867	7.017	2.257	2.067	32.813	8	74	58	9E9	9E9	45
23.500	395.267	7.867	1.990	1.973	28.835	8	95	71	9E9	9E9	45
24.500	305.567	6.717	2.198	2.068	32.844	8	73	53	9E9	9E9	45
25.500	283.467	6.917	2.440	2.140	35.931	7	91	64	9E9	9E9	43
26.500	332.283	5.000	1.505	1.866	24.313	8	80	55	9E9	9E9	45
27.500	364.667	4.683	1.284	1.774	20.407	9	70	47	9E9	9E9	45
28.500	346.717	3.917	1.130	1.723	18.218	9	66	43	9E9	9E9	45
29.500	305.083	6.800	2.229	2.104	34.402	8	73	46	9E9	9E9	43
30.500	264.500	4.900	1.853	2.039	31.633	8	63	39	9E9	9E9	43
31.500	35.729	0.514	1.439	2.455	49.299	7	11	7	9E9	9E9	31
32.500	54.067	1.717	3.175	2.681	58.849	6	21	12	3.471	14.825	9E9
33.500	76.233	2.900	3.804	2.684	59.008	5	37	21	4.944	22.205	9E9
34.500	392.967	11.317	2.880	2.225	39.526	12	188	105	9E9	9E9	9E9
35.500	552.400	7.917	1.433	1.808	21.831	9	106	58	9E9	9E9	9E9
36.500	115.650	4.200	3.632	2.585	54.791	6	44	23	7.559	33.777	9E9
37.500	75.367	4.000	5.307	2.876	67.124	11	72	38	9E9	9E9	9E9
38.500	60.733	3.767	6.202	3.010	72.836	11	58	30	9E9	9E9	9E9
39.500	46.000	3.300	7.174	3.158	79.081	3	44	22	2.903	9.195	9E9
40.500	32.567	2.017	6.192	3.192	80.558	3	31	16	2.003	5.605	9E9
41.499	51.833	3.200	6.174	3.068	75.291	3	50	25	3.283	10.082	9E9
42.499	72.214	4.471	6.192	2.992	72.040	11	69	35	9E9	9E9	9E9
43.499	134.333	10.117	7.531	2.955	70.504	11	129	65	9E9	9E9	9E9
44.499	166.667	13.400	7.990	2.951	70.338	11	160	80	9E9	9E9	9E9
45.499	192.883	11.067	5.737	2.755	62.018	11	185	93	9E9	9E9	9E9
46.499	149.733	8.167	5.454	2.785	63.294	11	143	72	9E9	9E9	9E9
47.499	228.583	7.017	3.070	2.414	47.532	7	73	37	9E9	9E9	39
48.499	303.750	9.817	3.232	2.388	46.438	12	145	73	9E9	9E9	9E9
49.499	368.767	10.533	2.856	2.293	42.404	12	177	89	9E9	9E9	9E9

PREVIOUS BORING LOGS (1/30/2010)

LOG OF TEST BORING

PROJECT NAME Garfield High School Modular Buildings		**PROJECT NUMBER** L-879A	**BORING** **B1**
SITE LOCATION East Los Angeles	**START** 1/30/2010	**FINISH** 1/30/2010	**SHEET NO.** 1 of 1
DRILLING COMPANY Choice Drilling	**DRILLING METHOD** Hollow Stem Auger	**LOGGED BY** EMH	**CHECKED BY** TS
DRILLING EQUIPMENT Mobile B-61	**BORING DIA. (in)** 8	**TOTAL DEPTH (ft)** 16.5	**GROUND ELEV (ft)**
DEPTH/*ELEV.* GROUND WATER (ft) ▼ / *na*			
SAMPLING METHOD Hammer: 140 lbs., Drop: 30 in.	**NOTES**		

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	DRY DENSITY (pcf)	MOISTURE (%)	OTHER TESTS	% PASSING #200	ATTERBERG LIMITS LL:PL:PI	POCKET PEN (tsf)	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
												3" Asphalt
			B-1									**Possible Artificial Fill (af)**
			R-2.5	8 10 12	109	17.5				3.75		**Silty Clay (CL)**, brown, slightly moist, stiff, trace fine sand
5			S-5	5 7 9		19.0				3.25		**Alluvium (Qa)** **Silty Clay (CL)**, reddish brown, slightly moist, very stiff, trace fine sand, carbonate stringers
10			R-10	26 40 50	109	18.0				>4.0		
15			S-15	12 15 18		12.3				3.0		**Silt to Sandy Silt (ML)**, yellowish brown, slightly moist, dense/hard, fine sand, with some clay
												Total Depth: 16.5 Feet Groundwater: Not encountered to maximum depth explored Fill: Approximately 5 ft Boring backfilled and patched upon completion

GDC_LOG_BORING_1A_LA2 L-879A BORING LOGS.GPJ GDCLOG.GDT 3/5/10

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FIGURE A-1

LOG OF TEST BORING

PROJECT NAME Garfield High School Modular Buildings		**PROJECT NUMBER** L-879A	**BORING** **B2**
SITE LOCATION East Los Angeles	**START** 1/30/2010	**FINISH** 1/30/2010	**SHEET NO.** 1 of 1
DRILLING COMPANY Choice Drilling	**DRILLING METHOD** Hollow Stem Auger	**LOGGED BY** EMH	**CHECKED BY** TS
DRILLING EQUIPMENT Mobile B-61	**BORING DIA. (in)** 8	**TOTAL DEPTH (ft)** 16.5	**GROUND ELEV (ft)**
DEPTH/*ELEV.* GROUND WATER (ft) ▼ / *na*			
SAMPLING METHOD Hammer: 140 lbs., Drop: 30 in.	**NOTES**		

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	DRY DENSITY (pcf)	MOISTURE (%)	OTHER TESTS	% PASSING #200	ATTERBERG LIMITS LL:PL:PI	POCKET PEN (tsf)	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
												Possible Artificial Fill (af)
												Silty Clay (CL), dark brown, moist, some sand
			B-1									
			S-2.5	4 4 6		18.9				2.75		**Alluvium (Qa)**
												Silty Clay (CL), dark brown, slightly moist, stiff, some sand
5			R-5	10 15 16	110.0	19.2				3.5		**Clay (CL)**, brown, moist, very stiff, with some fine sand and silt
10			S-10	9 13 17		12.9				4.5		**Silt (ML)**, brown, moist, very stiff, some fine sand and clay, micaceous
15			R-15	16 20 26	119	11.9				>4.5		**Silty Sand to Sandy Silt (SM/ML)** brown, slightly moist, dense/hard, fine sand, with some clay and few micas
												Total Depth: 16.5 Feet Groundwater: Not encountered to maximum depth explored Fill: Approximately 2.5 Feet Boring Backfilled and patched upon completion

GDC_LOG_BORING_1A_LA2 L-879A BORING LOGS.GPJ GDCLOG.GDT 3/5/10

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THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE A-2

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
Garfield High School Modular Buildings	L-879A	**B3**

SITE LOCATION	START	FINISH	SHEET NO.
East Los Angeles	1/30/2010	1/30/2010	1 of 1

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	Hollow Stem Auger	EMH	TS

DRILLING EQUIPMENT	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GROUND WATER (ft)
Mobile B-61	8	16.5		▼ / *na*

SAMPLING METHOD
Hammer: 140 lbs., Drop: 30 in.

NOTES

DEPTH (feet)	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	DRY DENSITY (pcf)	MOISTURE (%)	POCKET PEN (tsf)	DESCRIPTION AND CLASSIFICATION
	B-1					**Possible Artificial Fill (af)**
	R-2.5	9 10 13	110.0	12.1	>4.5	**Sandy Silt (ML)**, brown, slightly moist, fine sand, with some clay
						Alluvium (Qa)
5	S-5	5 4 3		12.6	3.25	**Silt (ML)** , brown, slightly moist, very stiff, trace sand and clay
10	R-10	26 50/6"	118.0	15.6	>4.5	-Very Hard
15	S-15	22 26 30		12.6	>4.5	
						Total Depth: 16.5 Feet Groundwater: Not encountered to maximum depth explored Fill: Approximately 2.5 Feet Boring backfilled upon completion

GDC_LOG_BORING_1A_LA2 L-879A BORING LOGS.GPJ GDCLOG.GDT 3/5/10

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FIGURE A-3

PREVIOUS BORING LOGS (9/24/2010)

LOG OF TEST BORING

PROJECT NAME Garfield High School Auditorium Supplemental		**PROJECT NUMBER** L-879C	**BORING** B-1A
SITE LOCATION 5101 East 6th Street, Los Angeles, Ca	**START** 9/24/2010	**FINISH** 9/24/2010	**SHEET NO.** 1 of 2
DRILLING COMPANY Choice Drilling	**DRILLING METHOD** Hollow Stem Auger	**LOGGED BY** EMH	**CHECKED BY** TS
DRILLING EQUIPMENT Mobile B-61	**BORING DIA. (in)** 8"	**TOTAL DEPTH (ft)** 51	**GROUND ELEV (ft)**	**DEPTH/*ELEV.* GROUND WATER (ft)** ▼ / *na*
SAMPLING METHOD Hammer: 140 lbs., Drop: 30 in.	**NOTES**			

DEPTH (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	POCKET PEN (tsf)	DESCRIPTION AND CLASSIFICATION
					Silty Clay (CL) , brown, slightly moist, very stiff, low porosity (Fill)
		B-1 R-2.5	12 16	>4.5	**Silty Clay (CL)** , brown, slightly moist, very stiff, low porosity
5		R-5	11 17	>4.5	
		S-7.5	5 5 6		**Silty Clay to Clayey Silt (CL/ML)** , brown, slightly moist, stiff, with occasional carbonate stringers
10		R-10	19 34	>4.5	-with some fine sand
15		S-15	7 7 10		-with thin sandy laminations
20		R-20	9 17	>4.5	-with fine sand
25		S-25	9 19 23		-layer of reddish brown silty sand/sandy silt

GDC_LOG_BORING_1A_LA2_L-879C BORING LOGS.GPJ GDCLOG.GDT 10/22/10

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FIGURE A-2 a

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
Garfield High School Auditorium Supplemental	L-879C	**B-1A**

SITE LOCATION	START	FINISH	SHEET NO.
5101 East 6th Street, Los Angeles, Ca	9/24/2010	9/24/2010	2 of 2

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY
Choice Drilling	Hollow Stem Auger	EMH	TS

DRILLING EQUIPMENT	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GROUND WATER (ft)
Mobile B-61	8"	51		▼ / *na*

SAMPLING METHOD
Hammer: 140 lbs., Drop: 30 in.

NOTES

DEPTH (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	POCKET PEN (tsf)	DESCRIPTION AND CLASSIFICATION
30		R-30	8 15	>4.5	
35		S-35	5 9 10		**Clayey Silt (ML)** , brown, moist, very stiff, with some fine sand
40		R-40	35 50/3"	>4.5	-with some fine gravel
45		S-45	16 18 22		-with fine to coarse sand and gravel
					Silty Sand with gravel (SM) , yellowish brown, slightly moist, dense, fine to coarse sand, fine to coarse gravel
50		R-50	28 37		
					Total Depth: 51 Feet Groundwater: Not encountered to the maximum depth explored Fill: Approximately 2 feet Boring backfilled with cuttings upon completion

GDC_LOG_BORING_1A_LA2 L-879C BORING LOGS.GPJ GDCLOG.GDT 10/22/10

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FIGURE A-2 b

LOG OF TEST BORING

PROJECT NAME	PROJECT NUMBER	BORING
Garfield High School Auditorium Supplemental	L-879C	**B-2A**

SITE LOCATION	START	FINISH	SHEET NO.
5101 East 6th Street, Los Angeles, Ca			1 of 2

DRILLING COMPANY	DRILLING METHOD	LOGGED BY	CHECKED BY

DRILLING EQUIPMENT	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GROUND WATER (ft)
	8"	31.5		▼ / *na*

SAMPLING METHOD

NOTES

DEPTH (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	POCKET PEN (tsf)	DESCRIPTION AND CLASSIFICATION
					Silty Clay (CL) , brown, moist, stiff, low porosity, with some fine sand and gravel (Fill)
		R-2.5	8 12	>4.5	**Silty Clay (CL)** , brown, moist, stiff, low porosity, with some fine sand and gravel
5		S-5	4 5 9		-with occasional carbonate stringers
		R-7.5	12 34	4.25	-high plasticity
10		S-10	7 7 9		**Clayey Silt (ML)** , brown, moist, stiff, with carbonat stringers
15		R-15	24 50/6"	>4.5	-with some fine sand
20		S-20	10 18 24		-with fine sand and gravel
25		R-25	16 34	>4.5	-layer of sandy silt/silt sand, fine to medium sand with trace gravel

GDC_LOG_BORING_1A_LA2 L-879C BORING LOGS.GPJ GDCLOG.GDT 10/22/10

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THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE a

LOG OF TEST BORING

PROJECT NAME Garfield High School Auditorium Supplemental	**PROJECT NUMBER** L-879C	**BORING** **B-2A**	
SITE LOCATION 5101 East 6th Street, Los Angeles, Ca	**START**	**FINISH**	**SHEET NO.** 2 of 2
DRILLING COMPANY	**DRILLING METHOD**	**LOGGED BY**	**CHECKED BY**
DRILLING EQUIPMENT	**BORING DIA. (in)** 8"	**TOTAL DEPTH (ft)** 31.5	**GROUND ELEV (ft)**	**DEPTH/*ELEV.* GROUND WATER (ft)** ▼ / *na*
SAMPLING METHOD	**NOTES**		

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	DRY DENSITY (pcf)	MOISTURE (%)	OTHER TESTS	% PASSING #200	ATTERBERG LIMITS LL:PL:PI	POCKET PEN (tsf)	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
30			S-30	9 10 11								**Silty Clay (CL)** , brown, moist, very stiff, low plasticity
												Total Depth: 31.5 Feet Groundwater: Not encountered to the maximum depth explored Fill: Approximately 2 feet Boring backfilled with cuttings upon completion
35												
40												
45												
50												

GDC_LOG_BORING_1A_LA2_L-879C BORING LOGS.GPJ GDCLOG.GDT 10/22/10

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THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE b

PREVIOUS BORING LOGS (10/5/2019)

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD - Garfield HS - Paving and Site Works	LA1417	B-1

SITE LOCATION	START	FINISH	SHEET NO.
Los Angeles, CA	10/5/2019	10/5/2019	1 of 1

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Drilling	LAR	Hollow Stem Auger	KM/LK	KM

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in. (Automatic)		8	11.5	220	▽ NE / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, ModCAL		▼ / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL:PL:PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
														Fill Lean CLAY (CL); dark brown; moist; trace fine SAND; nonplastic to low plasticity.
			Bulk-1								EI			**Native** Lean CLAY (CL); very stiff; dark orangish brown; moist; trace fine SAND; nonplastic to low plasticity. - Slight oxidation.
			R-2	2 3 4	7	17.2	103			2.5				
5	215		R-3	2 3 3	6					1.5	DS			- Stiff.
			R-4	3 7 14	21	14.9	120			4.25				- Hard.
10	210		R-5	6 12 25	37					>4.5				- Trace fine GRAVEL.
														Boring terminated at depth 11.5 feet. No groundwater encountered. Backfilled with soil cuttings, fine gravel and asphalt patched.
15	205													

GDC_LOG_BORING_2011 LA1417 BORING LOGS.GPJ GDCLOG.GDT 10/18/19

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Torrance, CA 90501

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FIGURE
A-1

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD - Garfield HS - Paving and Site Works	LA1417	B-2

SITE LOCATION	START	FINISH	SHEET NO.
Los Angeles, CA	10/5/2019	10/5/2019	1 of 1

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Drilling	LAR	Hollow Stem Auger	KM/LK	KM

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in. (Automatic)		8	11.5	223	▽ NE / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, ModCAL		▼ / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL:PL:PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
														Fill Lean CLAY (CL); dark brown; moist; low plasticity.
	220		Bulk-1								R			**Native** Lean CLAY (CL); very stiff; brownish red; moist; low plasticity to medium plasticity.
			R-2	2 3 3	6					2.25				
5			R-3	2 3 4	7	18.0	104			2.5				
	215		R-4	5 9 18	27					>4.5				- Hard; trace medium SAND.
10			R-5	8 19 35	54	12.1	126			>4.5				
	210													Boring terminated at depth 11.5 feet. No groundwater encountered. Backfilled with soil cuttings, tamped and asphalt patched.
15														
	205													

GDC_LOG_BORING_2011 LA1417 BORING LOGS.GPJ GDCLOG.GDT 10/18/19

GROUP DELTA CONSULTANTS, INC.
370 Amapola Ave., Suite 212
Torrance, CA 90501

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE
A-2

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD - Garfield HS - Paving and Site Works	LA1417	B-3

SITE LOCATION	START	FINISH	SHEET NO.
Los Angeles, CA	10/5/2019	10/5/2019	1 of 2

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
ABC Drilling	LAR	Hollow Stem Auger	KM/LK	KM

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hammer: 140 lbs., Drop: 30 in. (Automatic)		8	31.5	218	▽ NE / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk, ModCAL, SPT		▼ / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL:PL:PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
														3" Asphalt, 6" Base
														Fill Silty SAND (SM); brown to red brown; moist; mostly medium SAND; some fines.
			Bulk-1								CR			**Native** Lean CLAY with SAND (CL); very stiff; red brown; moist; mostly fines;little fine SAND; low plasticity to medium plasticity.
	215		R-2	2 3 3	6	14.9	95			2.25				
5			R-3	2 3 4	7	15.2	105			2.0	DS			- Little fine SAND; trace medium SAND.
	210		R-4	3 6 9	15					4.0				- Hard; little fine SAND.
10			R-5	6 7 10	17	16.8	111			>4.5				Lean CLAY (CL); hard; red brown; moist; mostly fines; trace fine SAND; low plasticity to medium plasticity.
	205													
15			S-6	6 9 14	23									
	200													

GDC_LOG_BORING_2011 LA1417 BORING LOGS.GPJ GDCLOG.GDT 10/18/19

GROUP DELTA CONSULTANTS, INC.
370 Amapola Ave., Suite 212
Torrance, CA 90501

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE
A-3 a

PREVIOUS BORING LOGS (2/26/2020)

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfield HS	LA1417A	**HA-1**

SITE LOCATION	START	FINISH	SHEET NO.
5101 East Sixth Street, Los Angeles, CA 90022	2/26/2020	2/26/2020	1 of 1

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Group Delta Consultants, Inc.	Hand Auger	Hand Auger	A.P.	

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hand Auger	NA	4	5	223	▽ NE / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk		▼ / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL:PL:PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
0	220		BULK-1											ASPHALT (5"); NO BASE.
														SILTY SAND (SM); reddish brown; moist; mostly fine SAND; trace coarse SAND; trace coarse GRAVEL; subangular; trace fines.
5	215													Bottom of the borehole at 5 feet. Groundwater not encountered. Backfilled with SAND and patched with quickset.
10	210													
15	205													
20	200													

GDC_LOG_BORING_2011 LA1417A.GPJ GDCLOG.GDT 2/28/20

GROUP DELTA CONSULTANTS, INC.
370 Amapola Ave., Suite 212
Torrance, CA 90501

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE
A-1

BORING RECORD

PROJECT NAME	PROJECT NUMBER	HOLE ID
LAUSD Garfield HS	LA1417A	**HA-2**

SITE LOCATION	START	FINISH	SHEET NO.
5101 East Sixth Street, Los Angeles, CA 90022	2/26/2020	2/26/2020	1 of 1

DRILLING COMPANY	DRILL RIG	DRILLING METHOD	LOGGED BY	CHECKED BY
Group Delta Consultants, Inc.	Hand Auger	Hand Auger	A.P.	

HAMMER TYPE (WEIGHT/DROP)	HAMMER EFFICIENCY (ERi)	BORING DIA. (in)	TOTAL DEPTH (ft)	GROUND ELEV (ft)	DEPTH/*ELEV.* GW (ft)
Hand Auger	NA	4	5	216	▽ NE / *na* DURING DRILLING

DRIVE SAMPLER TYPE(S) & SIZE (ID)	NOTES	
Bulk		▼ / *na* AFTER DRILLING

DEPTH (feet)	ELEVATION (feet)	SAMPLE TYPE	SAMPLE NO.	PENETRATION RESISTANCE (BLOWS / 6 IN)	BLOW/FT "N"	MOISTURE (%)	DRY DENSITY (PCF)	PASSING #200 (%)	ATTERBERG LIMITS (LL:PL:PI)	POCKET PEN (tsf)	OTHER TESTS	DRILLING METHOD	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION
0	215		BULK-1											ASPHALT (3") ON BASE (21")
			BULK-2											Lean CLAY (CL); brown; moist; trace medium to fine SAND; medium plasticity.
5	210													Bottom of the borehole at 5 feet. Groundwater not encountered. Backfilled with SAND and patched with quickset.
10	205													
15	200													
20	195													

GDC_LOG_BORING_2011 LA1417A.GPJ GDCLOG.GDT 2/28/20

GROUP DELTA CONSULTANTS, INC.
370 Amapola Ave., Suite 212
Torrance, CA 90501

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE
A-2

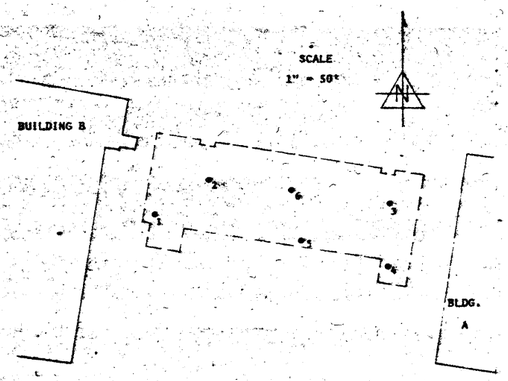
PREVIOUS BORING LOGS (NIKOLA SOILS ENGINEERS)

NIKOLA SOILS ENGINEERS
FOUNDATION ENGINEERS

JOB NO.: 2119
DATE: 12-28-72
DRAWN BY: jbn

POST OFFICE BOX 2637-D • PASADENA, CALIFORNIA 91105

CLIENT: Los Angeles City Unified School District



● INDICATES APPROXIMATE LOCATION OF BORINGS

ALL DIMENSIONS AND LOCATIONS ARE APPROXIMATE

FIGURE 1

NIKOLA SOILS ENGINEERS
FOUNDATION ENGINEERS

Job No. 2119
Date: 12-28-72

POST OFFICE BOX 2637-D • PASADENA, CALIFORNIA 91105

CLIENT: Los Angeles City Unified School District

SUBJECT: Log of Boring No. 1

DATE DRILLED: December 5, 1972

Depth Ft.	Sample No.	Description	Soil Classification	Field Moisture % Dry Weight	Dry Unit Weight Lbs./Cu. Ft.	Shear Resistance Kips/Sq. Ft.	Drive Energy Ft. Kips/Ft.
0	1	FILL, 2"-2½" asphaltic concrete on mixed fill: Brown silty to clayey sand, moist, medium dense, few pieces of brick, concrete & gravel	FILL	13.6	111	2.21	9.0
5	2	NATURAL, Red brown silty sand and sandy silt, slightly moist, medium dense, some porosity. Interlayers of brown clayey silt, moist, medium firm.	SM with ML and CL	10.2	95	1.33	7.5
10	3			16.8	110	2.61	15.0
15	4	Below 13', increase in sand content.		10.2	98	1.54	9.0
20	5			12.5	94	1.70	10.5
25	6	Below 23', becomes gravelly.		10.9	110	2.60	12.0

Bottom of Boring at 25'

○ – Indicates location of undisturbed sample.

△ – Indicates location of bulk sample.

This boring represents the conditions encountered at this specific location on the date drilled and should not be considered as representative of other than this boring location.

FIGURE 2

NIKOLA SOILS ENGINEERS
FOUNDATION ENGINEERS

Job No. 2119
Date: 12-28-72

POST OFFICE BOX 2637-D • PASADENA, CALIFORNIA 91105

CLIENT: Los Angeles City Unified School District

SUBJECT: Log of Boring No. 2 and 3

DATE DRILLED: December 5, 1972

Depth Ft.	Sample No.	Description	Soil Classification	Field Moisture % Dry Weight	Dry Unit Weight Lbs./Cu. Ft.	Shear Resistance Kips/Sq. Ft.	Drive Energy Ft. Kips/Ft.
0	1	FILL, 2"-2½" asphaltic concrete on mixed fill: Brown silty to clayey sand, moist, med. dense.	FILL	13.8	111	1.87	9.0
5	2			10.9	92	1.57	6.0
	3	NATURAL, Red brown silty fine sand and sandy silt, moist, medium dense.	SM with ML	12.5	101	2.71	9.0
10		Bottom of Boring at 8'.					
		BORING NO. 3					
0	1	FILL, 2"-2½" asphaltic concrete on mixed fill: Brown silty to clayey sand, moist, medium dense, few small pieces of wood, brick and concrete. Becomes gravelly with less clay @ 4'.	FILL	14.9	113	0.93	3.0
5	2			10.1	119	1.21	6.0
	3	NATURAL, Brown silty to clayey sand, moist, medium dense, slightly porous interlayered with Red brown clayey silt, moist, medium firm.	SM with SC and CL	20.1	97	1.54	7.5
10	4			17.4	109	1.91	9.0
15	5	Occasional lense of Brown fine to medium sand, moist, medium dense.	with some SP	17.8	109	1.99	9.0
20	6	At 20', becomes gravelly.		14.0	109	1.85	9.0

Bottom of Boring at 21'.

○ – Indicates location of undisturbed sample.

△ – Indicates location of bulk sample.

This boring represents the conditions encountered at this specific location on the date drilled and should not be considered as representative of other than this boring location.

FIGURE 3

NIKOLA SOILS ENGINEERS
FOUNDATION ENGINEERS

Job No. 2119
Date: 12-28-72

POST OFFICE BOX 2637-D • PASADENA, CALIFORNIA 91105

CLIENT: Los Angeles City Unified School District

SUBJECT: Log of Boring No. 4

DATE DRILLED: December 5, 1972

Depth Ft.	Sample No.	Description	Soil Classification	Field Moisture % Dry Weight	Dry Unit Weight Lbs./Cu. Ft.	Shear Resistance Kips/Sq. Ft.	Drive Energy Ft. Kips/Ft.
0	1	FILL, 2" asphaltic concrete on mixed fill, Brown silty to clayey sand, moist, medium dense.	FILL	14.1	112	1.56	9.0
5	2	Few pieces of concrete and brick.		15.2	118	1.47	9.0
	3	NATURAL, Brown silty to clayey sand, moist, medium dense.	SM with SC and CL	16.8	113	2.85	10.5
10	4	Interlayered with brown clayey silt, moist, medium firm.		13.4	110	2.58	18.0
15	5	Below 13', brown silty fine sand predominates.					
20	6	At 20', iron oxide mottling with an increase in clay content		8.4	103	1.63	12.0
25	7			17.3	110	3.54	18.0

Bottom of Boring at 26'.

○ – Indicates location of undisturbed sample.

△ – Indicates location of bulk sample.

This boring represents the conditions encountered at this specific location on the date drilled and should not be considered as representative of other than this boring location.

FIGURE 4

NIKOLA SOILS ENGINEERS
FOUNDATION ENGINEERS

Job No. 2119
Date: 12-28-72

POST OFFICE BOX 2637-D • PASADENA, CALIFORNIA 91105

CLIENT: Los Angeles City Unified School District

SUBJECT: Log of Boring No. 5

DATE DRILLED: December 5, 1972

Depth Ft.	Sample No.	Description	Soil Classification	Field Moisture % Dry Weight	Dry Unit Weight Lbs./Cu. Ft.	Shear Resistance Kips/Sq. Ft.	Drive Energy Ft. Kips/Ft.
0	1	FILL, 2"-2½" asphaltic concrete on mixed fill: Brown silty to clayey sand, moist, medium dense. Few pieces of brick & concrete.	FILL	8.4	116	0.98	10.5
5	2	NATURAL, Brown silty fine sand to sandy silt, moist, medium dense.	SM with ML and CL	11.1	95	1.30	6.0
10	3	Interlayered with brown clayey silt, moist, medium firm.		16.9	104	3.28	12.0
15	4	Below 16', increase in sand content.		11.5	107	2.49	12.0
20	5	Occasional thin strata of light brown gravelly fine to medium sand, moist, medium dense.	and some SP	12.4	103	1.82	12.0
25	6			20.4	103	2.77	10.5
30	7			8.1	110	3.09	11.3

Bottom of Boring at 30'.

○ – Indicates location of undisturbed sample.

△ – Indicates location of bulk sample.

This boring represents the conditions encountered at this specific location on the date drilled and should not be considered as representative of other than this boring location.

FIGURE 5

NIKOLA SOILS ENGINEERS
FOUNDATION ENGINEERS

Job No. 2119
Date: 12-28-72

POST OFFICE BOX 2637-D • PASADENA, CALIFORNIA 91105

CLIENT: Los Angeles City Unified School District

SUBJECT: Log of Boring No. 6

DATE DRILLED: December 5, 1972

Depth Ft.	Sample No.	Description	Soil Classification	Field Moisture % Dry Weight	Dry Unit Weight Lbs./Cu. Ft.	Shear Resistance Kips/Sq. Ft.	Drive Energy Ft. Kips/Ft.
0	1	4" asphaltic concrete on dark brown silty sand and clayey silt, med. dense, sl. porous.	SM with ML	13.2	94	0.95	6.0
5	2	Brown silty fine sand and sandy silt, moist, medium dense, slightly to moderately porous.	SM with ML	12.7	96	1.30	7.5
10	3			16.0	106	3.05	10.5

Bottom of Boring at 10'.

○ – Indicates location of undisturbed sample.

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
SEP 4 1974
BY: [illegible]

STATE OF CALIFORNIA — DEPARTMENT OF [illegible]
3752 APPROVED SEP 4 1974
FOR [illegible]

This boring represents the conditions encountered at this specific location on the date drilled and should not be considered as representative of other than this boring location.

FIGURE 6

"AS BUILT"

REVISIONS

B.A.C.

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE: _____
BY: _____

E. J. SAMANIEGO & ASSOCIATES
ARCHITECTS AND ENGINEERS
1730 WEST NINTH ST., LOS ANGELES 15, CALIF. 385-3365

E. J. Samaniego
ARCHITECT DATE April 1, 1974

CONSULTANTS

STRUCTURAL — MACKEL ASSOCIATES
MECHANICAL — ASSOCIATED CONSULTING ENGRS.
ELECTRICAL — CARLOS RODRIGUE & ASSOC.
CIVIL — B. L. ENGINEERING INC.
LANDSCAPING — [illegible]

LOG OF BORINGS

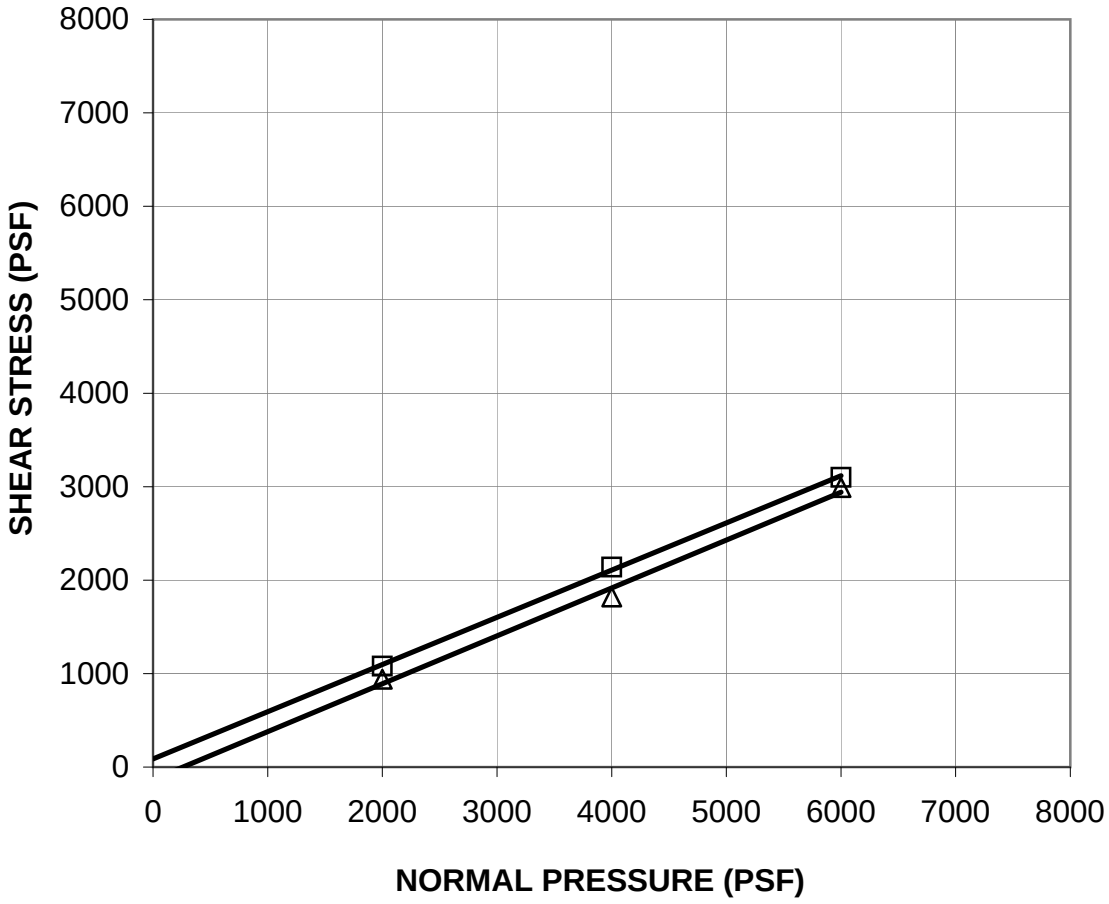
NEW CLASSROOM AND LIBRARY BUILDING (REPLACEMENT)
JAMES A. GARFIELD HIGH SCHOOL
5101 EAST SIXTH ST., LOS ANGELES, CALIF. 90022

PREPARED FOR
THE BOARD OF EDUCATION
LOS ANGELES CITY UNIFIED SCHOOL DISTRICT

DRAWN	SCALE
LAC	NOTED
JOB NO.	DATE
659-A	9-4-74
SHEET NO.	
7 OF 15	SHEETS

8679.28

PREVIOUS LABORATORY TESTING (11/11/2009)



Symbol		Borehole Number	Sample Number	Depth (ft)	Soil Type	Cohesion (psf)	Friction Angle (°)
□	Peak	B-1	R-5	5	CL	90	27
△	Ultimate					0	26

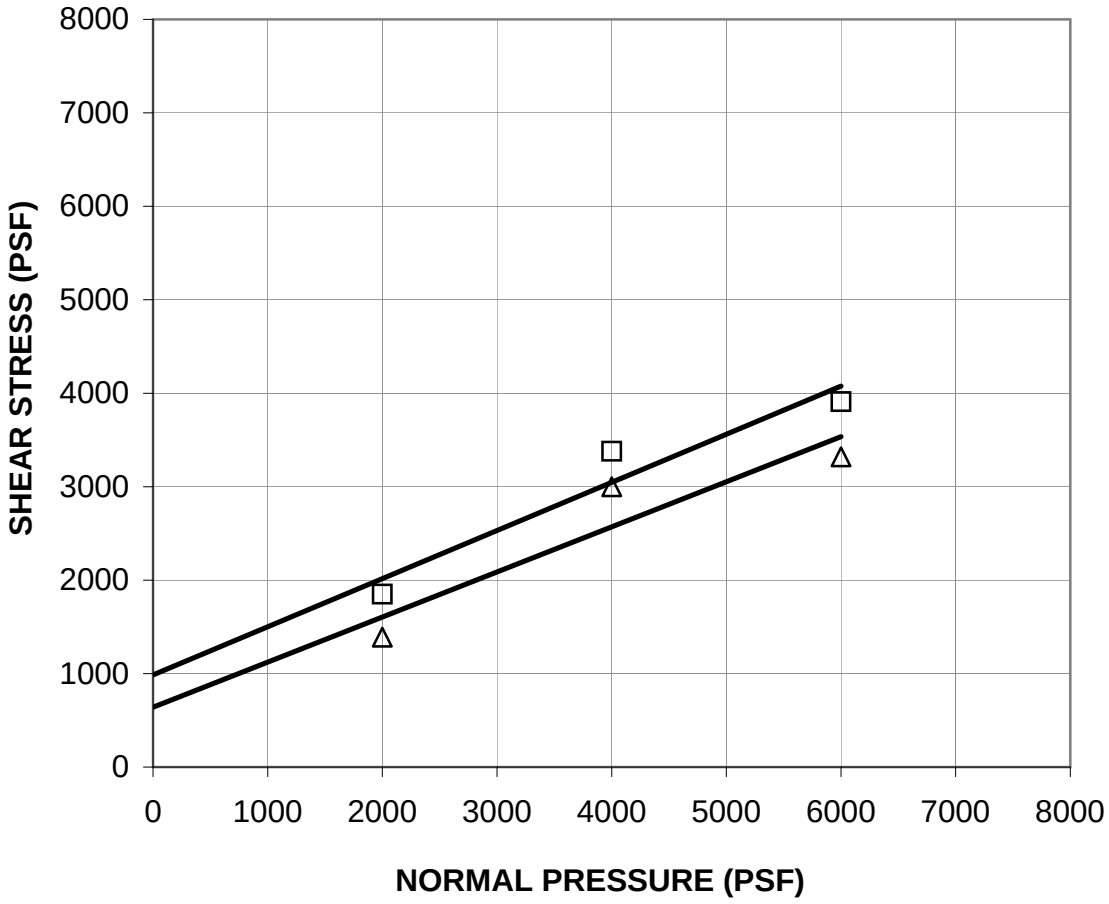
Vertical Loads (psf)	2000	4000	6000
Moisture Content Before Test (%)	13.4	13.7	13.7
Moisture Content After Test (%)	21.2	19.4	17.6

GROUP DELTA CONSULTANTS

L-879 Garfield High School

B-1 at 5 Feet

Figure D-1



Symbol		Borehole Number	Sample Number	Depth (ft)	Soil Type	Cohesion (psf)	Friction Angle (°)
□	Peak	B-3	R-10	10	CL	980	27
△	Ultimate					640	26

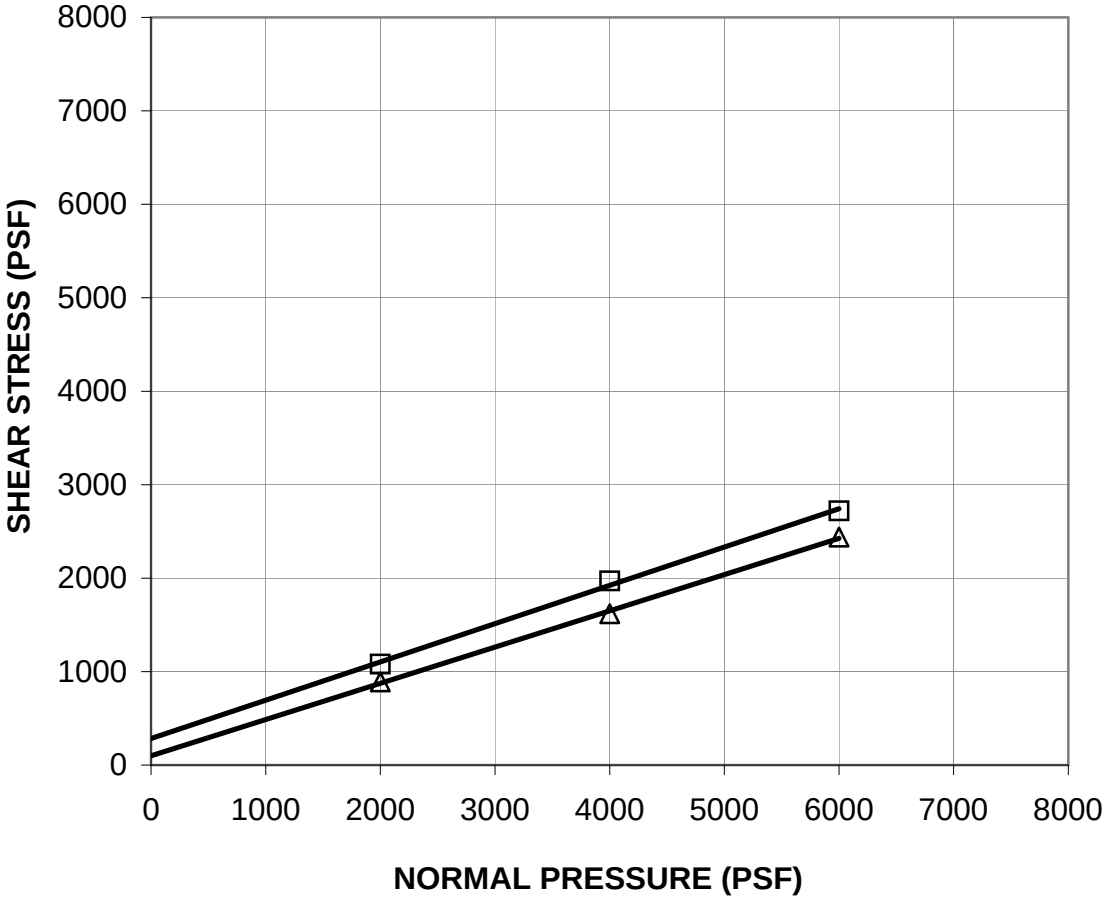
Vertical Loads (psf)	2000	4000	6000
Moisture Content Before Test (%)	12.1	14.4	18.3
Moisture Content After Test (%)	18.6	19.4	20.9

GROUP DELTA CONSULTANTS

L-879 Garfield High School

B-3 at 10 Feet

Figure D-2



Symbol		Borehole Number	Sample Number	Depth (ft)	Soil Type	Cohesion (psf)	Friction Angle (°)
□	Peak	B-5	R-5	5	CL	280	22
△	Ultimate					100	21

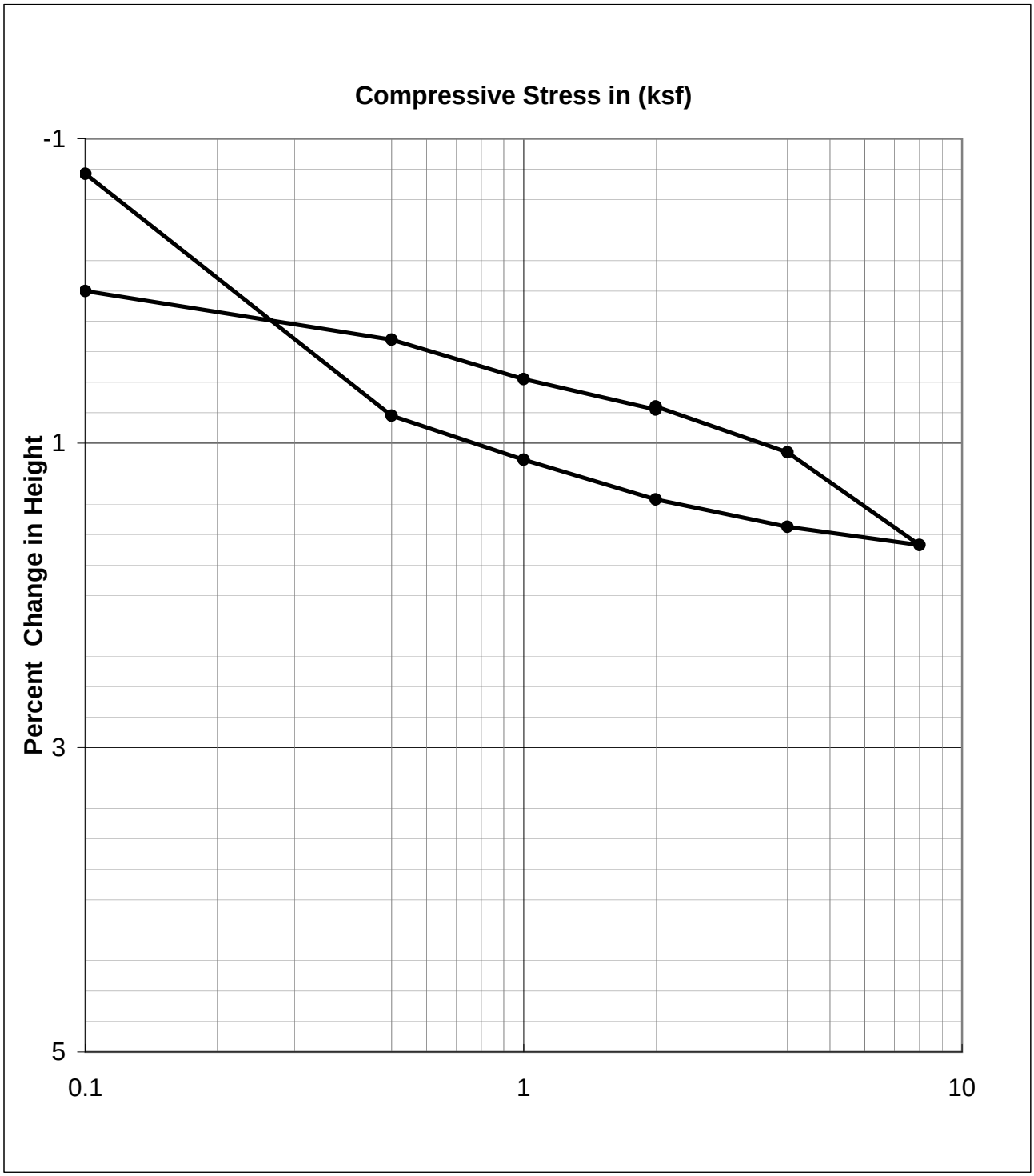
Vertical Loads (psf)	2000	4000	6000
Moisture Content Before Test (%)	15.6	15.7	17
Moisture Content After Test (%)	24.2	23.1	22.1

GROUP DELTA CONSULTANTS

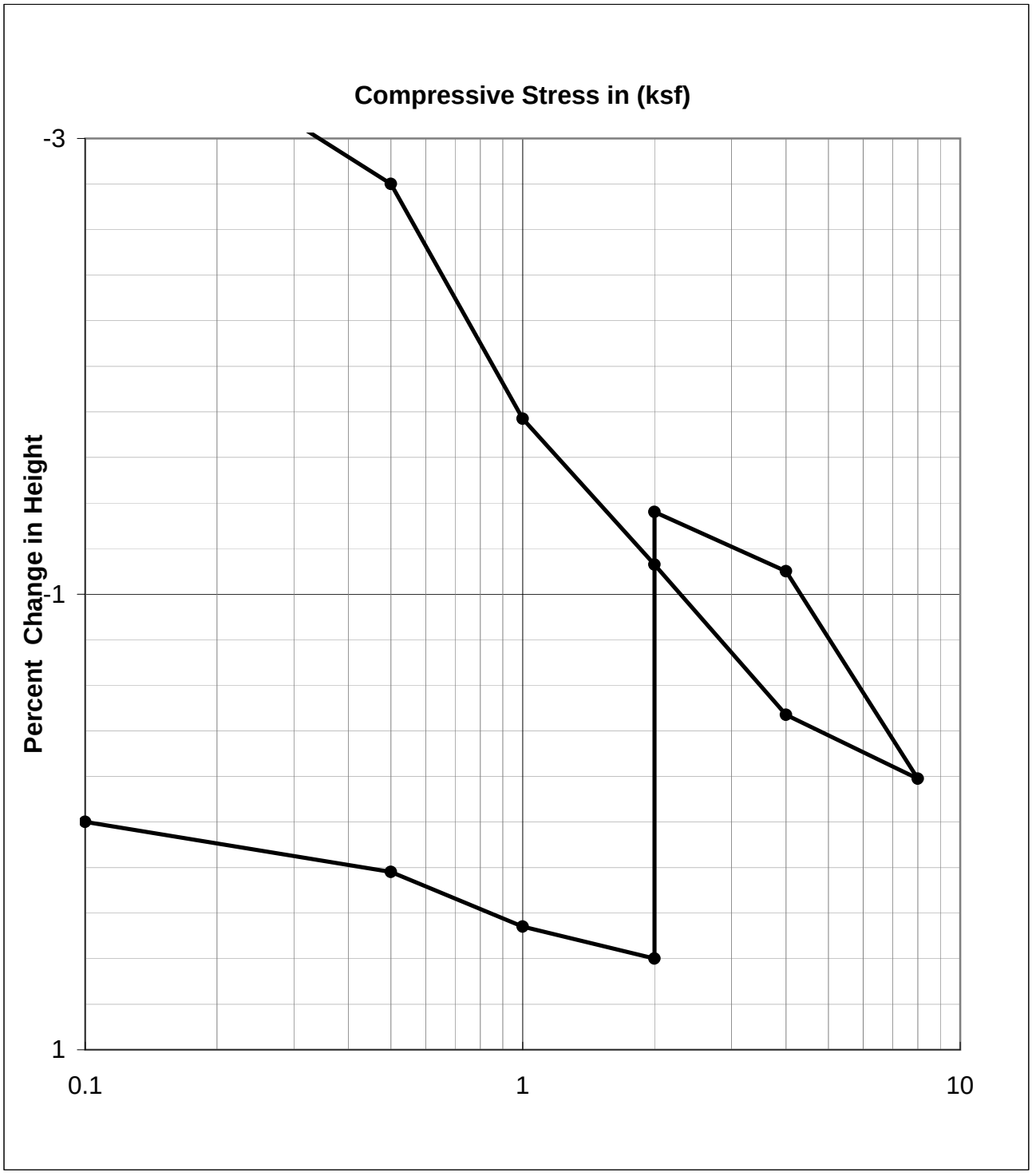
L-879 Garfield High School

B-5 at 5 Feet

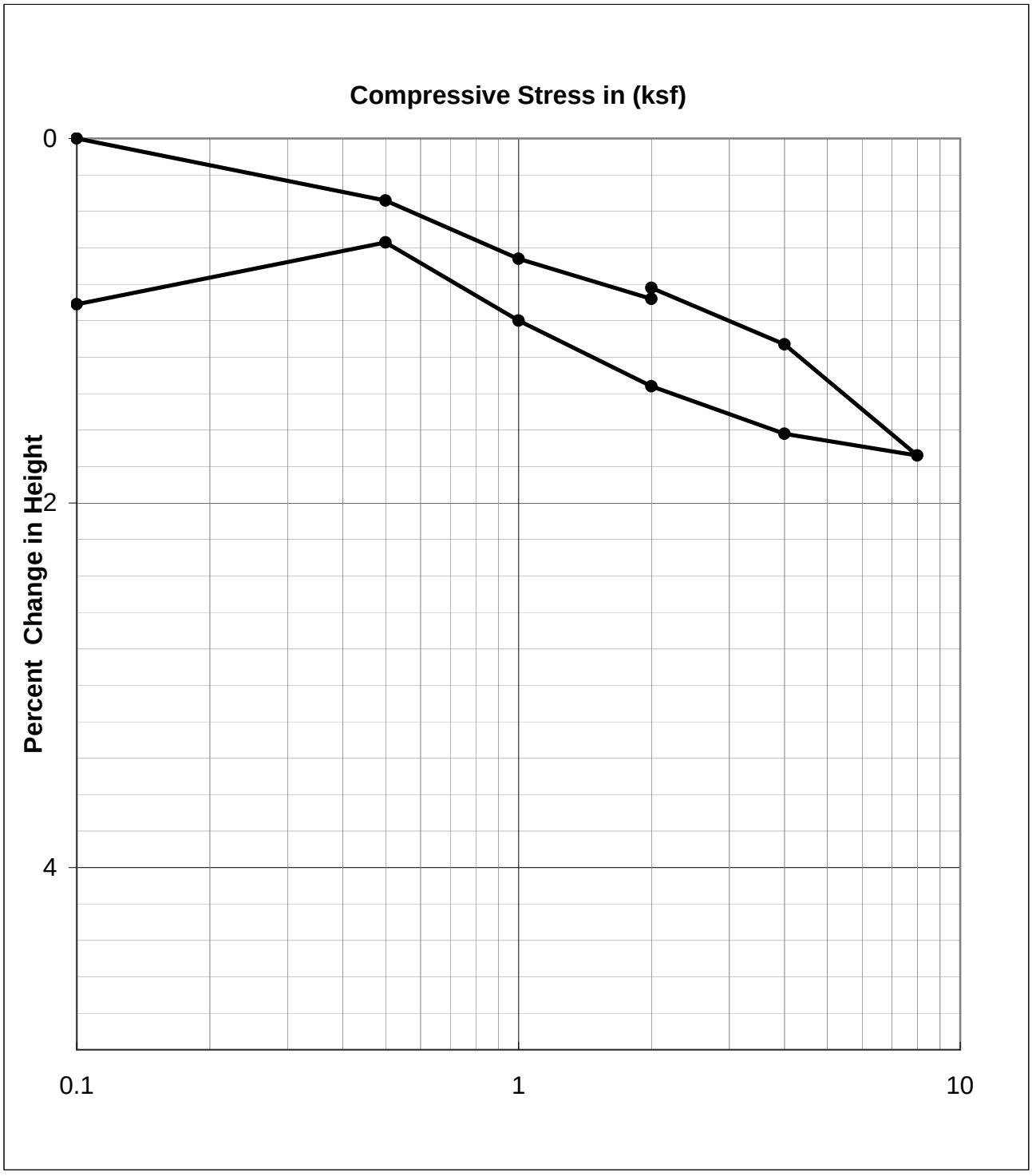
Figure D-3



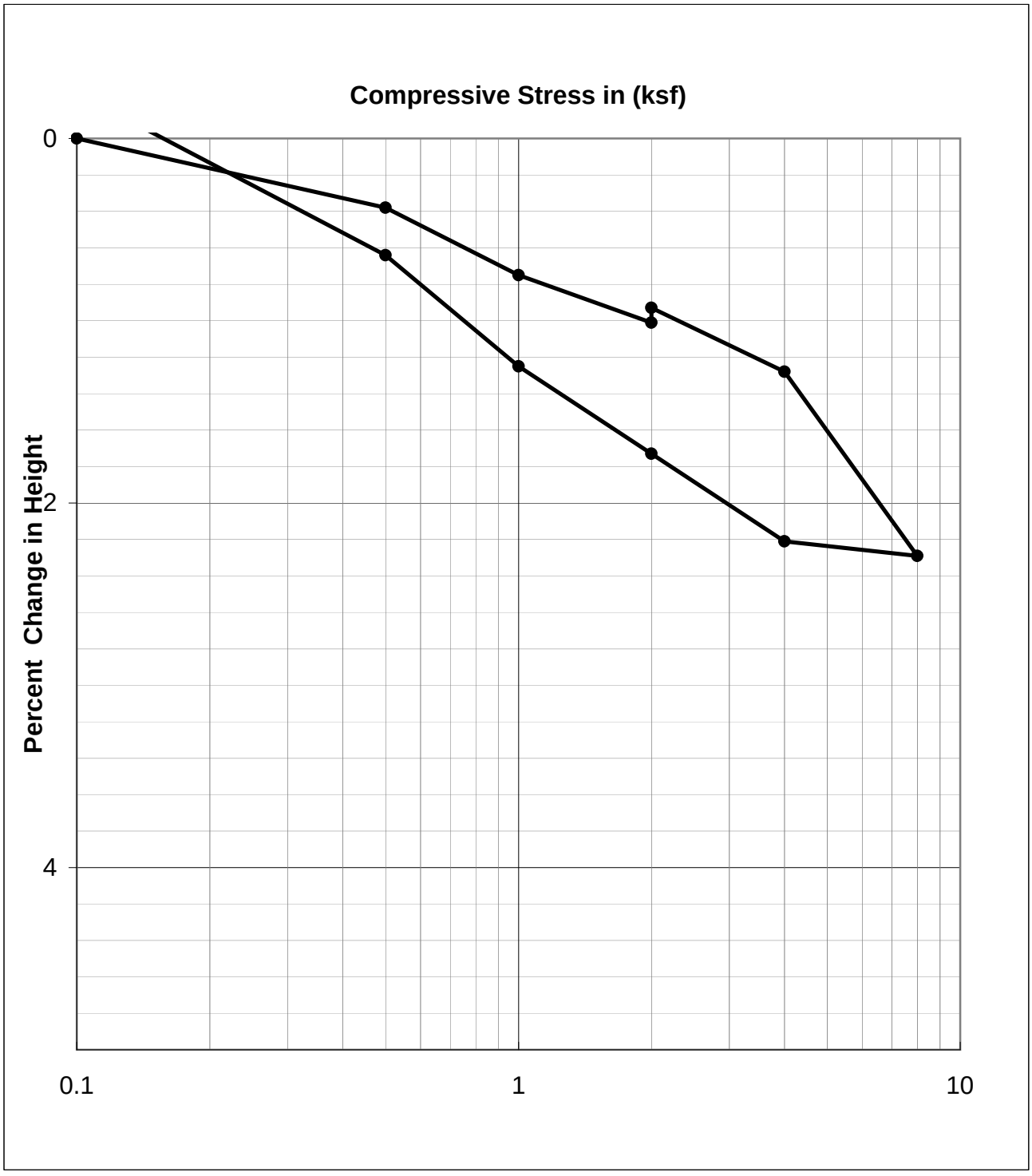
GROUP DELTA CONSULTANTS	Client	LAUSD
	Project Name	Garfield High School
	Boring No.	B-1 @ 15 Feet
	Figure Number	D-4



GROUP DELTA CONSULTANTS	Client	LAUSD
	Project Name	Garfield High School
	Boring No.	B-3 @ 10 Feet
	Figure Number	D-5

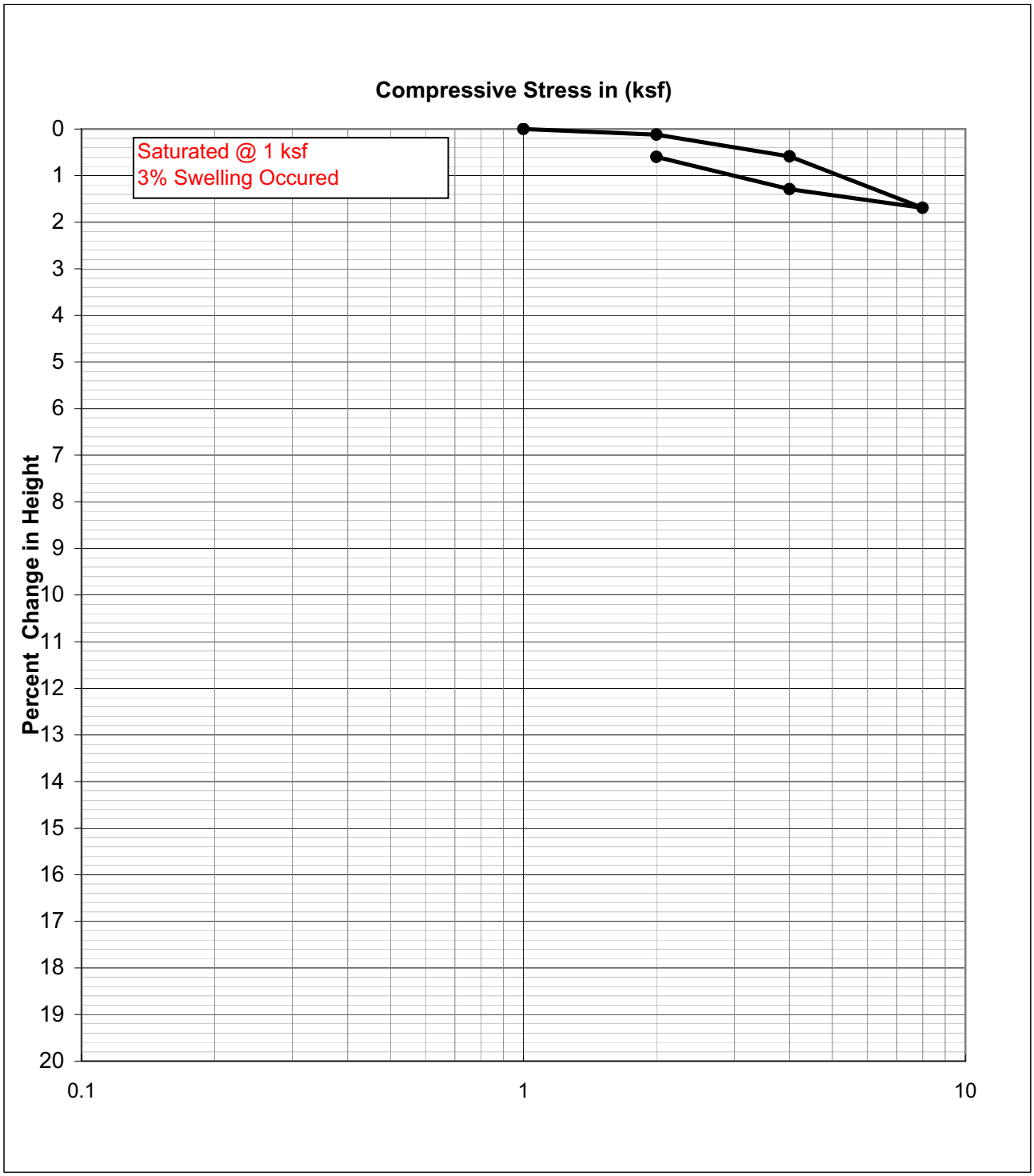


GROUP DELTA CONSULTANTS	Client	LAUSD
	Project Name	Garfield High School
	Boring No.	B-3 @ 10 Feet
	Figure Number	D-6



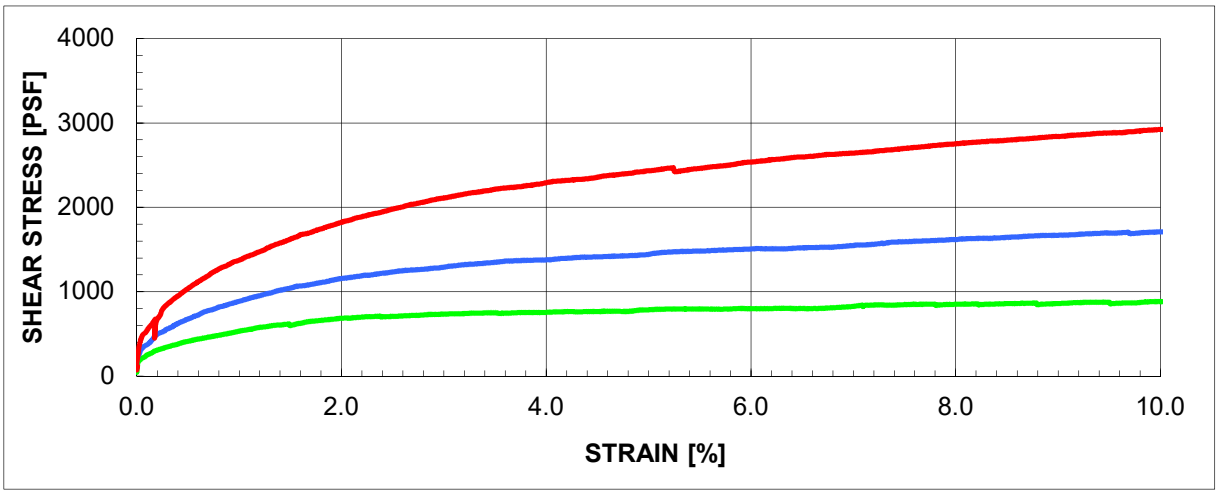
GROUP DELTA CONSULTANTS	Client	LAUSD
	Project Name	Garfield High School
	Boring No.	B-5 @ 15 Feet
	Figure Number	D-7

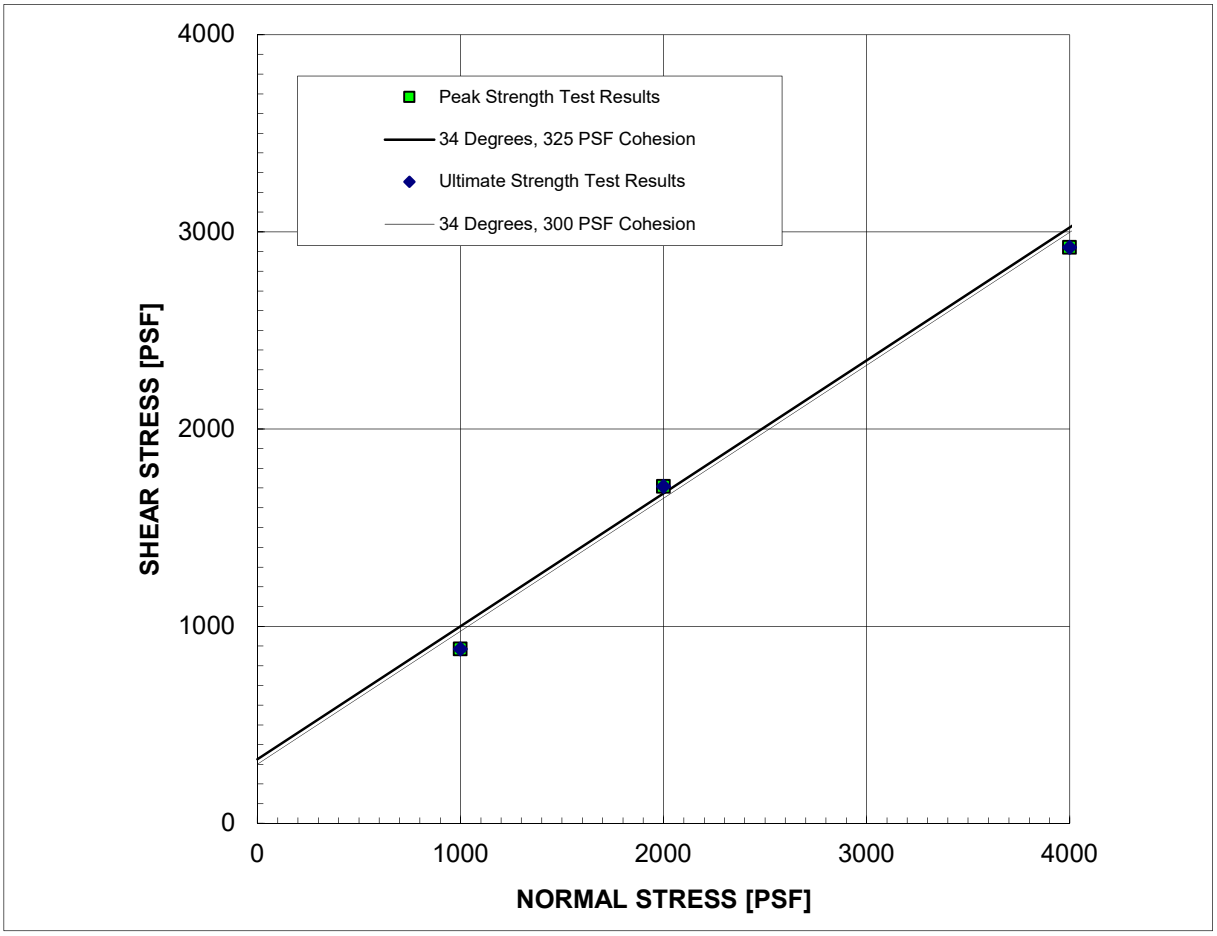
PREVIOUS LABORATORY TESTING (9/24/2010)



Client	LAUSD
Project Name	Garfield High School
Boring No.	B-2A
Figure Number	D-8

PREVIOUS LABORATORY TESTING (10/5/2019)





SAMPLE: B-1 @ 0-5'

Description:
Yellowish brown lean clay (CL)

STRAIN RATE: 0.0002 IN/MIN
(Sample was consolidated and drained)

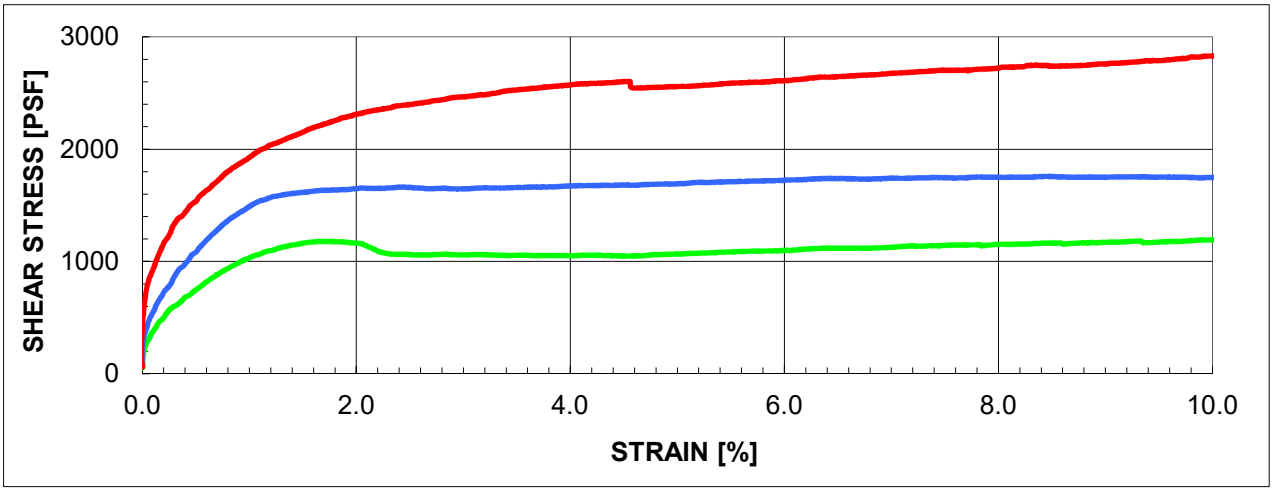
	PEAK	ULTIMATE
ϕ'	34 °	34 °
C'	325 PSF	300 PSF

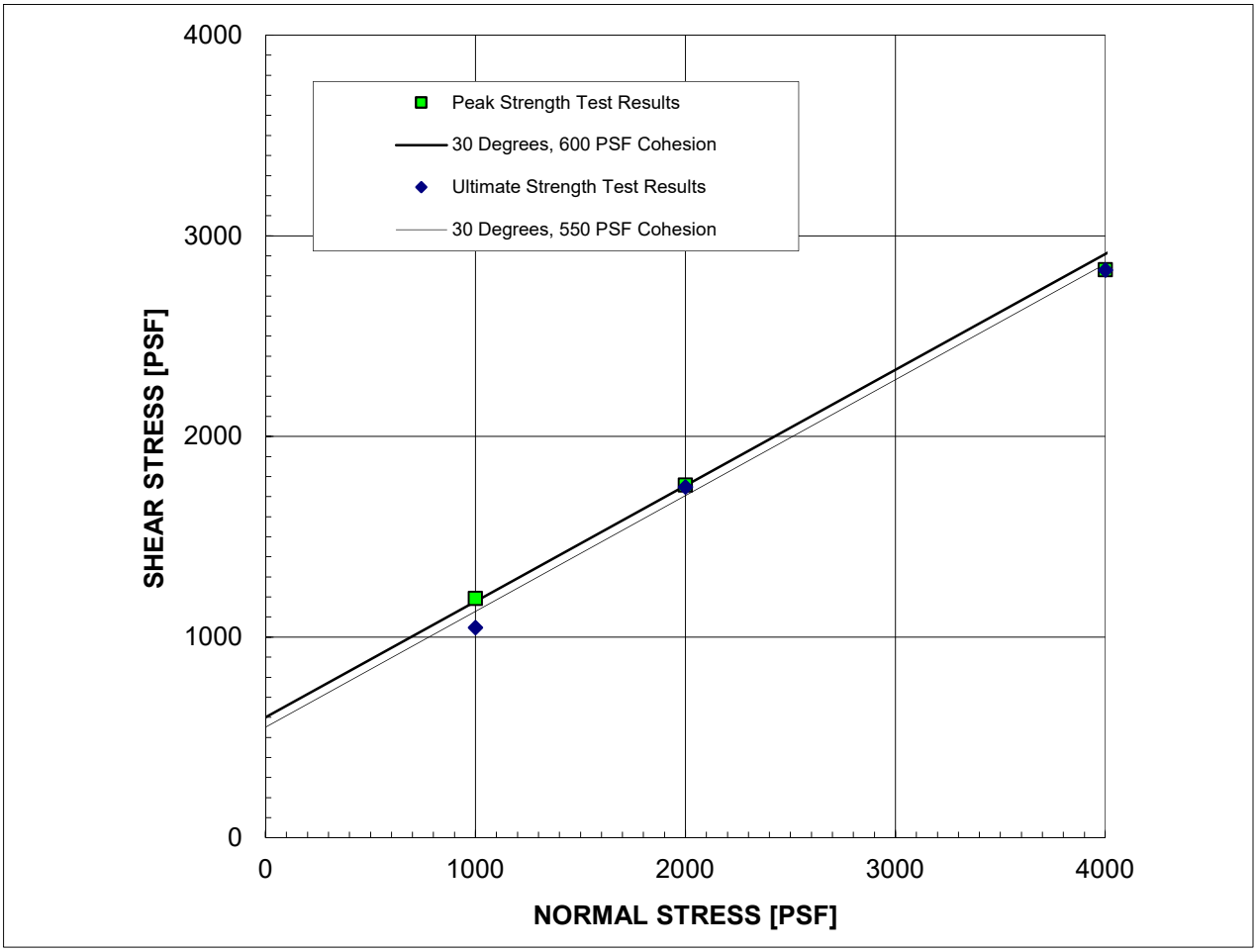
	IN-SITU	AS-TESTED
γ_d	104.6 PCF	104.6 PCF
w_c	16.1 %	-54.5 %

GROUP DELTA

DIRECT SHEAR TEST RESULTS

Project No. LA1417
FIGURE B-1.1





SAMPLE: B-3 @ 7.5' - 9'

Description:
Yellowish brown lean clay (CL)

STRAIN RATE: 0.0002 IN/MIN
(Sample was consolidated and drained)

	PEAK	ULTIMATE
ϕ'	30 °	30 °
C'	600 PSF	550 PSF

	IN-SITU	AS-TESTED
γ_d	109.8 PCF	109.8 PCF
w_c	13.5 %	19.8 %

GROUP DELTA

DIRECT SHEAR TEST RESULTS

Project No. LA1417
FIGURE B-1.2

SAMPLE NO.: B-2 / B-1 **SAMPLE DATE:**

SAMPLE LOCATION: 0-5' **TEST DATE:** 10/10/19

SAMPLE DESCRIPTION: Dark yellowish brown lean clay (CL)

LABORATORY TEST DATA

	TEST SPECIMEN	1	2	3	4	5	
A	COMPACTOR PRESSURE	170	130	55			[PSI]
B	INITIAL MOISTURE	6.9	6.9	6.9			[%]
C	BATCH SOIL WEIGHT	1200	1200	1200			[G]
D	WATER ADDED	60	80	110			[ML]
E	WATER ADDED (D*(100+B)/C)	5.3	7.1	9.8			[%]
F	COMPACTION MOISTURE (B+E)	12.2	14.0	16.7			[%]
G	MOLD WEIGHT	2008.1	2009.9	2105.5			[G]
H	TOTAL BRIQUETTE WEIGHT	3135.1	3099.3	3227.5			[G]
I	NET BRIQUETTE WEIGHT (H-G)	1127.0	1089.4	1122.0			[G]
J	BRIQUETTE HEIGHT	2.47	2.45	2.59			[IN]
K	DRY DENSITY (30.3*I/((100+F)*J))	123.2	118.2	112.5			[PCF]
L	EXUDATION LOAD	8651	6311	3002			[LB]
M	EXUDATION PRESSURE (L/12.54)	690	503	239			[PSI]
N	STABILOMETER AT 1000 LBS	45	59	68			[PSI]
O	STABILOMETER AT 2000 LBS	112	135	150			[PSI]
P	DISPLACEMENT FOR 100 PSI	4.20	5.01	7.27			[Turns]
Q	R VALUE BY STABILOMETER	20	8	2			
R	CORRECTED R-VALUE (See Fig. 14)	20	8	2			
S	EXPANSION DIAL READING	0.0010	0.0000	0.0000			[IN]
T	EXPANSION PRESSURE (S*43,300)	43	0	0			[PSF]
U	COVER BY STABILOMETER	0.69	0.79	0.84			[FT]
V	COVER BY EXPANSION	0.33	0.00	0.00			[FT]

TRAFFIC INDEX:	4.0
GRAVEL FACTOR:	1.49
UNIT WEIGHT OF COVER [PCF]:	130
R-VALUE BY EXUDATION:	3
R-VALUE BY EXPANSION:	23
R-VALUE AT EQUILIBRIUM:	3

*Note: Gravel factor estimated from pavement section using CTM 301, Section C, Part b.

REV. 2, DATED 1/31/15

GROUP DELTA CONSULTANTS, INC.
ENGINEERS AND GEOLOGISTS
9245 ACTIVITY ROAD, SUITE 103
SAN DIEGO, CALIFORNIA 92126

R-VALUE TEST RESULTS
CT301

Project No. LA1417
FIGURE B-2

APPENDIX D – SITE-SPECIFIC SEISMIC HAZARD ANALYSIS PER ASCE 7-16

APPENDIX D
SITE-SPECIFIC SEISMIC HAZARD ANALYSIS PER ASCE 7-16

D.1 INTRODUCTION

This section presents the results of the site-specific seismic hazard analysis per the 2022 California Building Code (CBC) and ASCE 7-16 (ASCE/SEI 7-16) for the project site. The subsurface soil conditions used in this study were obtained from our field exploration program including seismic CPTs and hallow stem auger borings.

Horizontal Acceleration Response Spectra (ARS) for 5-percent damping was developed for the Risk-Targeted Maximum Considered Earthquake (MCE_R), as defined by ASCE 7-16, following Chapter 21.2, and performing both probabilistic and deterministic seismic hazard analyses. Site-specific probabilistic seismic hazard analyses were performed using the computer tool OpenSHA (Field, 2003), and the seismic source model used is the Uniform California Earthquake Rupture Forecast, Version 3 (UCERF3). Development of the horizontal ARS was also performed using the ground motion models developed as part of the Next Generation Attenuation (NGA) – West 2 research project.

D.2. PROJECT LOCATION

The site is located in Los Angeles, California. The site coordinates are:

Latitude:	34.0269° N
Longitude:	118.1581° W

D.3. SEISMIC SETTING

The project site is located within the Los Angeles basin, an area with very high seismic activity. Table D-1 below lists the active faults closest to the site, along with their Fault Type, Maximum Magnitude (Mw) and Site-To-Source Rupture Distance (R_{rup}). These faults are obtained primarily from the Version 3 of the Uniform California Earthquake Rupture Forecast (UCERF3) (Field et al., 2013), which is the seismic source model developed by the Working Group on California Earthquake Probabilities (WGCEP) in 2013. The UCERF3 model was subsequently adopted by the 2014 U.S. National Seismic Hazard Mapping Program (NSHM) (Petersen et al., 2014) to develop probabilistic seismic hazard maps.

Table D-1. Significant Active Faults Near the Site

Fault	Fault Type	Maximum Magnitude, M_W	Site-to-Source Distance, R_{rup} (km)
Puente Hills (LA)	Reverse	7.0	5.0
Elysian Park	Reverse	6.7	5.0
Puente Hills	Reverse	7.1	6.8
Puente Hills (Santa Fe Springs)	Reverse	6.6	9.0
Whittier	Strike-Slip	7.0	10.7
Verdugo	Reverse	6.9	11.7
Hollywood	Strike-Slip	6.7	12.3
Compton	Reverse	7.5	14.7
Santa Monica	Strike-slip	6.8	14.9
Newport-Inglewood (alt 1 and alt 2)	Strike-slip	7.2	17.0
Sierra Madre	Reverse	7.2	18.4
Southern San Andreas (Parkfield + Cholame + Carrizo + Big Bend + Northern Mojave + Southern Mojave + Northern San Bernardino + Southern San Bernardino + San Gorgonio Pass-Garnet Hill + Coachella)	Strike-slip	8.2	54.0

The maximum magnitudes and scenarios adopted are consistent with the published Building Seismic Safety Council 2014 Event Set (the adopted deterministic ruptures used for the 2014 USGS NSHM (BSSC, 2015). For multi-segment faults, such as San Andreas, where different earthquake scenarios are considered, the one producing the largest magnitude was reported in the table along with its combined segments.

D.4 SITE CHARACTERIZATION

Site-specific deep shear wave velocity measurements were performed in CPT-4 in our investigation for estimation of average shear wave velocities in the upper 100 feet or approximately 30 meters ($V_{S,30}$). Shear wave velocity measurements in CPT-4 indicated shear wave measured values below 1,000 ft/sec to a depth of 25 feet below grade, and abruptly well above 1,300 ft/sec at a depth of 25 to 50 feet. This change in shear wave velocity indicates that soil profile consists of two distinct layers of different vintage and/or consistency. To estimate the shear wave velocity to a depth of 100 feet below grade, or approximately 30 meters, the average shear

wave velocity within the lower layer (i.e. depth of 25 to 50 feet) was assumed to be extended to a depth of 100 feet, as shown in Figure D-1. On this basis, the site-specific $V_{S,30}$ at the site was estimated to be 400 m/s (corresponding to 1,313 ft/sec), corresponding to a site class designation of Site Class C, "Very Dense Soil, and Soft Rock".

D.5 GROUND MOTION PREDICTION EQUATIONS

Site-specific ground motions are influenced by type of faulting, magnitude of characteristic earthquakes, and local soil conditions. Many ground motion models, also referred to as Ground Motion Prediction Equations (GMPEs) have been developed to estimate the variation of spectral acceleration with earthquake magnitude and source-to-site distance, among other parameters. The Pacific Earthquake Engineering Research (PEER) coordinated a large multidisciplinary project entitled "NGA (Next Generation Attenuation)-West 2 Research Project" (Bozorgnia et al., 2014), referred to as NGA-West2. In NGA-West2, five teams have developed and presented horizontal ground motion models for shallow crustal earthquakes in active tectonic regions including Western North America. These teams are Abrahamson et al. (2014), Boore et al. (2014), Campbell and Bozorgnia (2014), Choiu and Youngs (2014), and Idriss (2014). We have not used Idriss (2014) as this GMPE is only applicable to $V_{S,30}$ > 450 m/s.

The NGA-West2 relationships use measured values of shear wave velocity ($V_{S,30}$) as input. As previously discussed, we have adopted an average $V_{S,30}$ of 400 m/s to represent the underlying soil conditions at the project site. In addition, some of the ground motion models require input for $Z_{1.0}$ (defined as the depth in meters to a shear wave velocity of V_s = 1 km/s) and $Z_{2.5}$ (defined as the depth in km to a shear wave velocity of V_s = 2.5 km/s). These two parameters are used to capture the basin effect on site response. The SCEC Community Velocity Model (CVM) Version 4, Caltrans basin maps of $Z_{1.0}$ and $Z_{2.5}$ for Los Angeles basin, and correlations included in the Campbell and Bozorgnia ground motion model (2013), were reviewed for selection of $Z_{1.0}$ and $Z_{2.5}$ values. $Z_{1.0}$ value of 500 m and $Z_{2.5}$ of 3.3 km were selected based on the values from SCEC CVM and Caltrans basin maps. It should be noted that Caltrans basin maps of $Z_{1.0}$ and $Z_{2.5\ in}$ in Southern California were generated using data from the CVM Version 4.

D.6 PROBABILISTIC SEISMIC HAZARD ANALYSIS

Site-specific Probabilistic Seismic Hazard Analyses (PSHA) were performed using the computer tool OpenSHA (Fields, 2003), using the UCERF3 seismic source model and the updated NGA-West2 ground motion models. Uniform hazard horizontal ARS were developed up to a period of 10 seconds. The hazard spectrum, developed for 5-percent damping, is presented IN Figure D-2.

Note that supplementary probabilistic seismic hazard analyses were performed using the USGS Unified Hazard Tool (https://earthquake.usgs.gov/hazards/interactive/) for comparison to the OpenSHA analyses. These analyses were performed using the dynamic version of the Conterminous U.S. 2014 (v4.2.0) at available spectral periods, using the Site Class C option ($V_{S,30}$ = 537 m/s) and the Site Class C/D boundary ($V_{S,30}$ = 360 m/s). Results of these supplementary analyses show good agreement with our OpenSHA analyses.

The site-specific probabilistic MCE_R was developed in accordance with ASCE 7-16 Section 21.2.1, for the maximum horizontal component and adjusted for targeted risk (1-percent probability of

collapse in 50 years). The median (RotD50) ground motion was adjusted to the maximum rotated component of ground motion (RotD100) using ASCE 7-16 default maximum direction factors (21.2). The second adjustment modifies the spectra from a 2-percent probability of exceedance in 50 years to a targeted risk of 1-percent probability of collapse in 50 years, which is performed using Method 1 of ASCE 7-16 (Section 21.2.1), using the risk coefficients C_{RS} and C_{R1}. The risk coefficients (per ASCE 7-16) were obtained using the Structural Engineers Association of California (SEAOC) / Office of Statewide Health Planning and Development (OSHPD) Seismic Design Maps website application (SEAOC/OSHPD, 2019). The risk coefficients of C_{RS} = 0.897and C_{R1} = 0.896 were used in the analyses. The probabilistic MCE_R ARS for the project site is shown in Figure D-2.

D.7 DETERMINISTIC SEISMIC HAZARD ANALYSIS

Site-specific Deterministic Seismic Hazard Analyses (DSHA) were performed based on the characteristics of earthquake scenarios identified as predominant contributors to the regional seismic hazard. Pertinent characteristics of the earthquake scenarios include parameters such as distance from the site to the causative fault and the maximum magnitude of earthquake associated with the fault. The effects of local soil conditions ($V_{S,30}$) and the mechanism of faulting are accounted for in the ground motion models as well.

DSHAs were performed for the sources identified in Table D-1. The NGA West2 GMMs were used to develop a 5-percent damped spectral ARS for each source. A plot of the DSHA results for the project site is shown in Figure D-3. According to ASCE 7-16 Section 21.2.2, the deterministic MCE_R, which corresponds to the 84th-percentile (median plus one standard deviation), 5-percent damped spectral response accelerations in the direction of maximum horizontal response at any spectral period, must not be lower than deterministic lower limit. Therefore, the 84th-percentile spectral values obtained from the GMPEs are used to develop the deterministic spectrum. The ground motions were adjusted to the maximum rotated component of ground motion using the ASCE 7-16 default maximum direction factors (21.2). Figure D-4 shows the results of our DSHA along with ASCE 7-16 deterministic lower limit spectrum.

D.8 DETERMINATION OF SITE-SPECIFIC RESPONSE SPECTRA

Development of the site-specific MCE_R ARS as defined by ASCE 7-16, Chapter 21.2, was performed using the seismic hazard analysis procedure described in the previous sections. In accordance with ASCE 7-16 Section 21.2.3, the site-specific MCE_R acceleration response spectra are taken as the lesser of the probabilistic and deterministic MCER spectra. The only exception (Section 21.2.3 of Supplement 1 to ASCE 7-16) is that the site-specific MCE_R ARS may be taken directly as the probabilistic MCER when the peak probabilistic spectrum is less than $1.2F_a$. In addition, per Section 21.3 of ASCE 7-16, the site-specific MCE_R cannot be not less than 150-percent of the 80-pecent of design spectrum determined in accordance with Section 11.4.6 of this code. The resulting MCE_R spectra is presented in Figure D-5. For the project site, the 150-percent minimum spectrum controls over the probabilistic and deterministic spectra at periods up to 0.15 seconds. At periods above 0.15 seconds to 4 seconds, probabilistic spectrum controls over the deterministic spectrum, and the deterministic spectrum controls at periods above 4 seconds.

The site-specific Design Earthquake spectrum is equal to two-thirds of the site-specific MCE_R spectrum. The MCE_R and the Design Earthquake spectra along with the tabulated values for the project site are presented in Figure D-6.

D.9 SITE-SPECIFIC DESIGN ACCELERATION PARAMETERS

The short period design spectral acceleration (S_{DS}) and 1-second period design spectral acceleration (S_{D1}) parameters were determined in accordance with ASCE 7-16 Section 21.4. The parameter S_{DS} is taken as 90-percent of the maximum spectral acceleration from the site-specific spectrum at periods between 0.2 and 5 seconds. The parameter S_{D1} is taken as the maximum of the product between period and spectral acceleration for periods from 1 to 2 seconds for sites with $V_{S,30}$ > 365.76 m/s. The parameters S_{MS} and S_{M1} shall be taken as 1.5 times S_{DS} and S_{D1} respectively. The values obtained shall not be less than 80 percent of the values determined in accordance with ASCE 7-16, Section 11.4.3 for S_{MS} and S_{M1} and Section 11.4.4 for S_{DS} and S_{D1}. Table D-2 presents the site-specific design acceleration parameters.

Maximum Considered Earthquake-Geometric Mean, MCE_G, peak ground acceleration adjusted for site effects, PGA_M, was calculated in accordance with ASCE 7-16 Section 21.5. Per ASCE 7-16 Section 21.5, PGA_M shall be taken as the lesser of the probabilistic geometric mean peak ground acceleration and the deterministic geometric mean peak ground acceleration and shall not be less than the 80% of PGA_M obtained from Equation 11.8-1 of this code. The site-specific PGA_M, was calculated equal to 0.907(g).

Table D-2. Seismic Design Acceleration Parameters

Design Parameters	General Seismic Design Parameter (ASCE 7-16 Section 11.4)	Site-Specific Seismic Design Parameters (ASCE 7-16 Section 21.4)
S_s (g)	1.908	-
S_1 (g)	0.683	-
Site Class	C	C
F_a	1.2	-
F_v	1.4	-
S_{MS} (g)	2.289	2.028
S_{M1} (g)	0.956	1.314
S_{DS} (g)	1.526	1.352
S_{D1} (g)	0.637	0.876

D.10 REFERENCES

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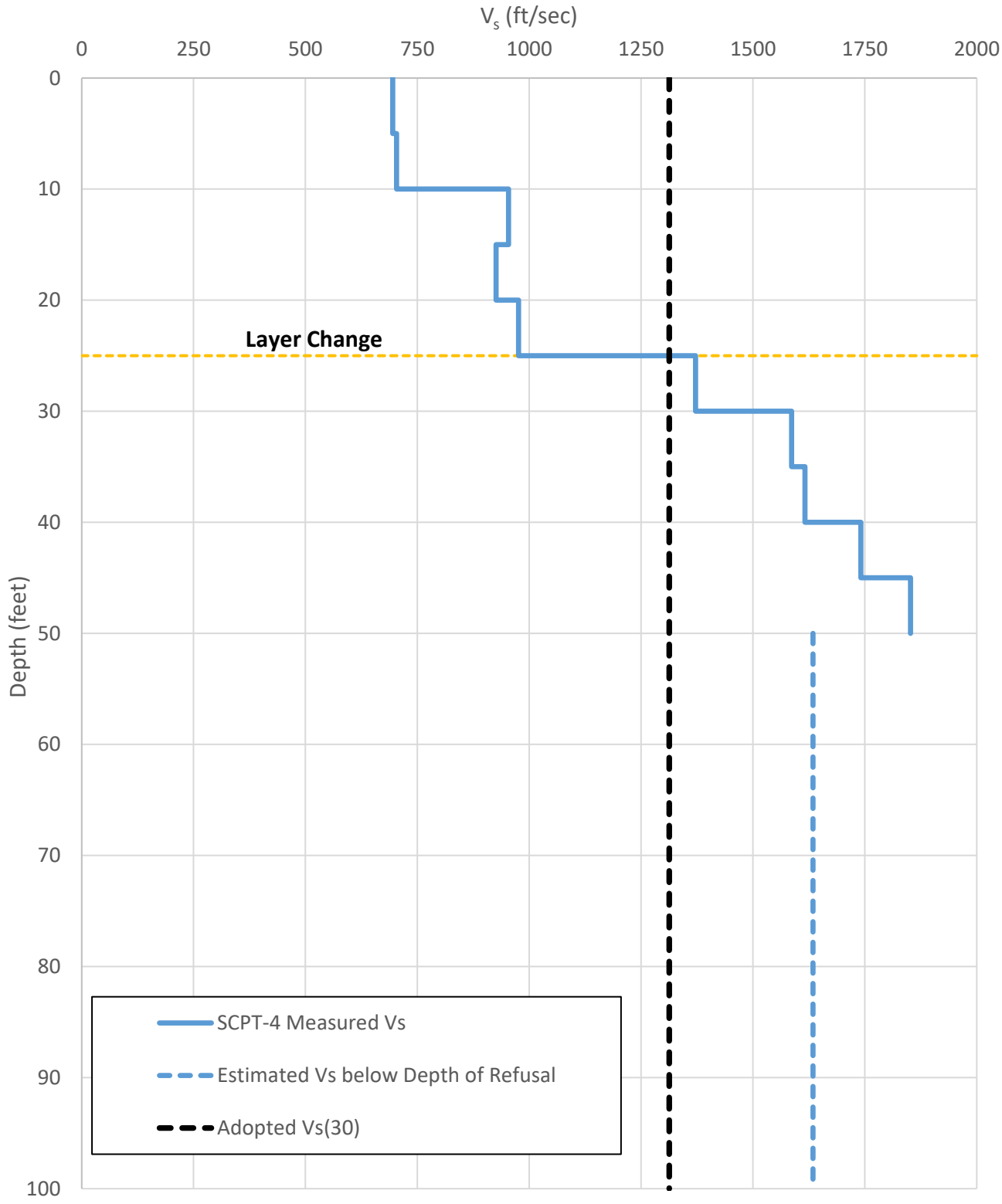
FIGURES

Figure D-1 Shear wave Velocity Profile
Figure D-2 Probabilistic MCE_R Acceleration Response Spectrum
Figure D-3 Deterministic Acceleration Response Spectrum
Figure D-4 Deterministic MCE_R Acceleration Response Spectrum
Figure D-5 ASCE 7-16 Site-Specific MCE_R Acceleration Response Spectra
Figure D-6 ASCE 7-16 Site-Specific Design Earthquake and Site-Specific Design Acceleration Parameters

APPENDIX D – FIGURES



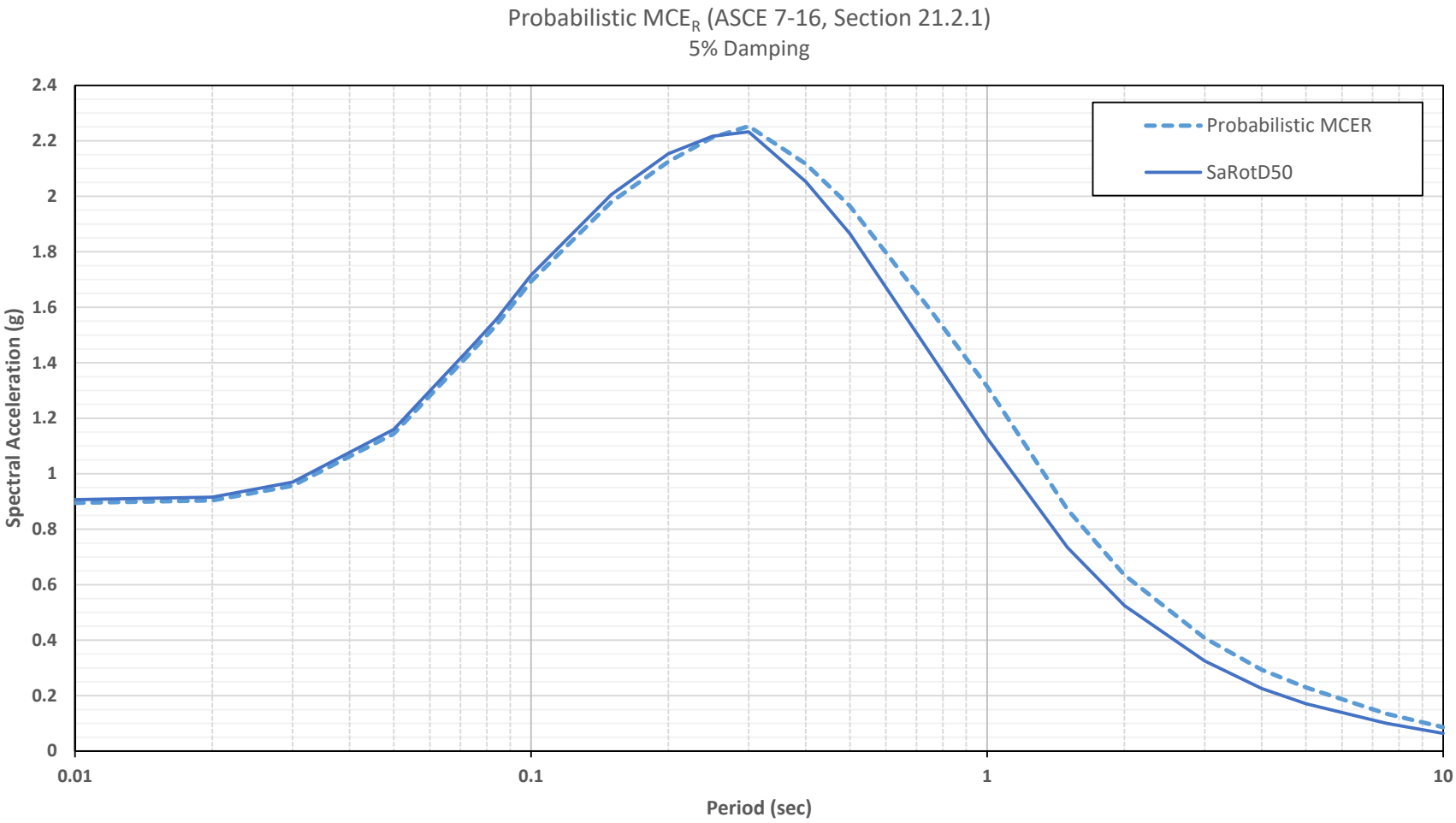
GROUP DELTA

Shear Wave Velocity Profile

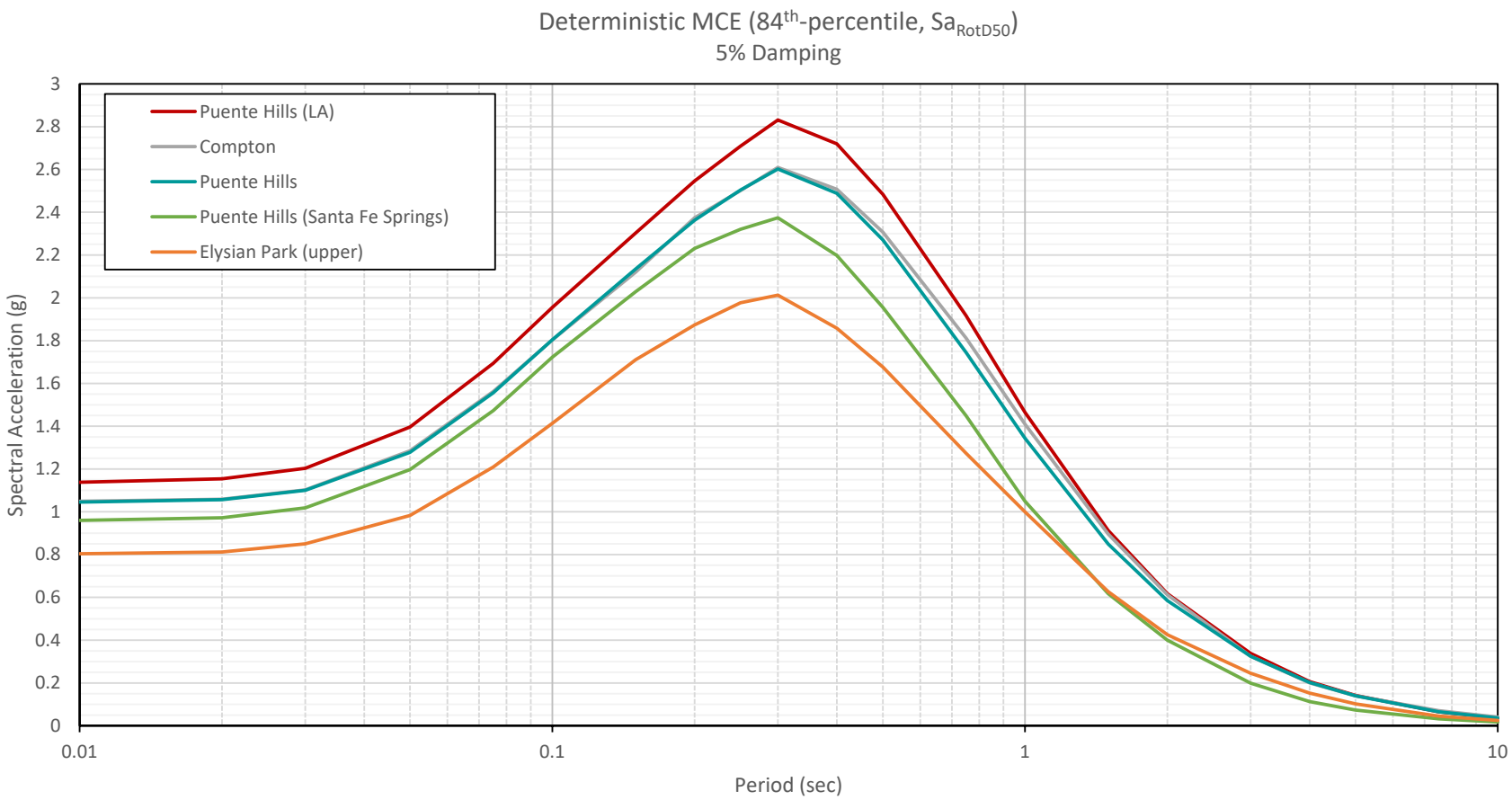
LAUSD Garfield High School Comprehensive Modernization
LOS ANGELES, CA

PROJECT NUMBER:	FIGURE NUMBER:
LA1553	D-1

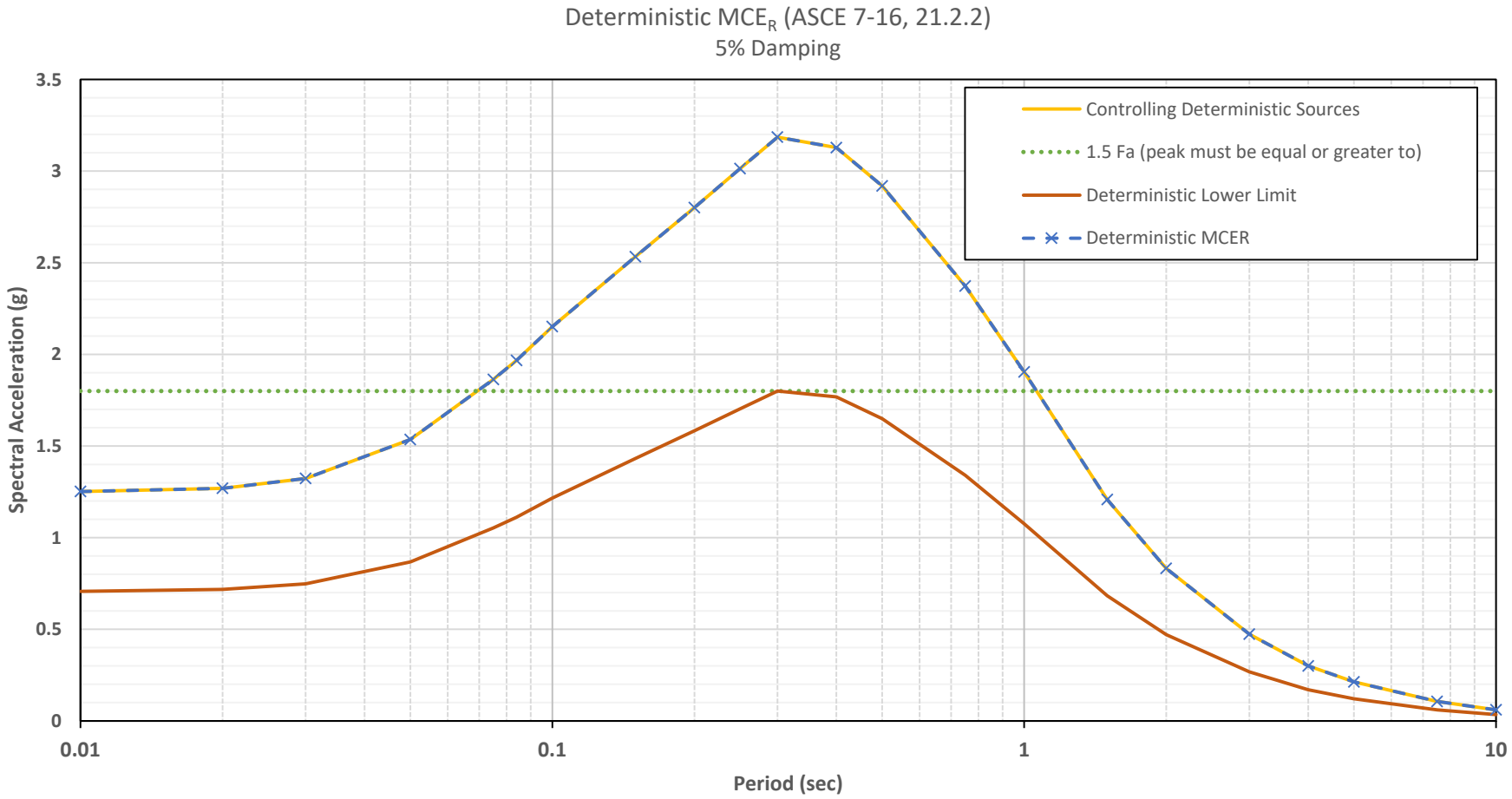
GROUP DELTA CONSULTANTS, INC
370 Amapola Ave. Suite 212, Torrance, CA 90501



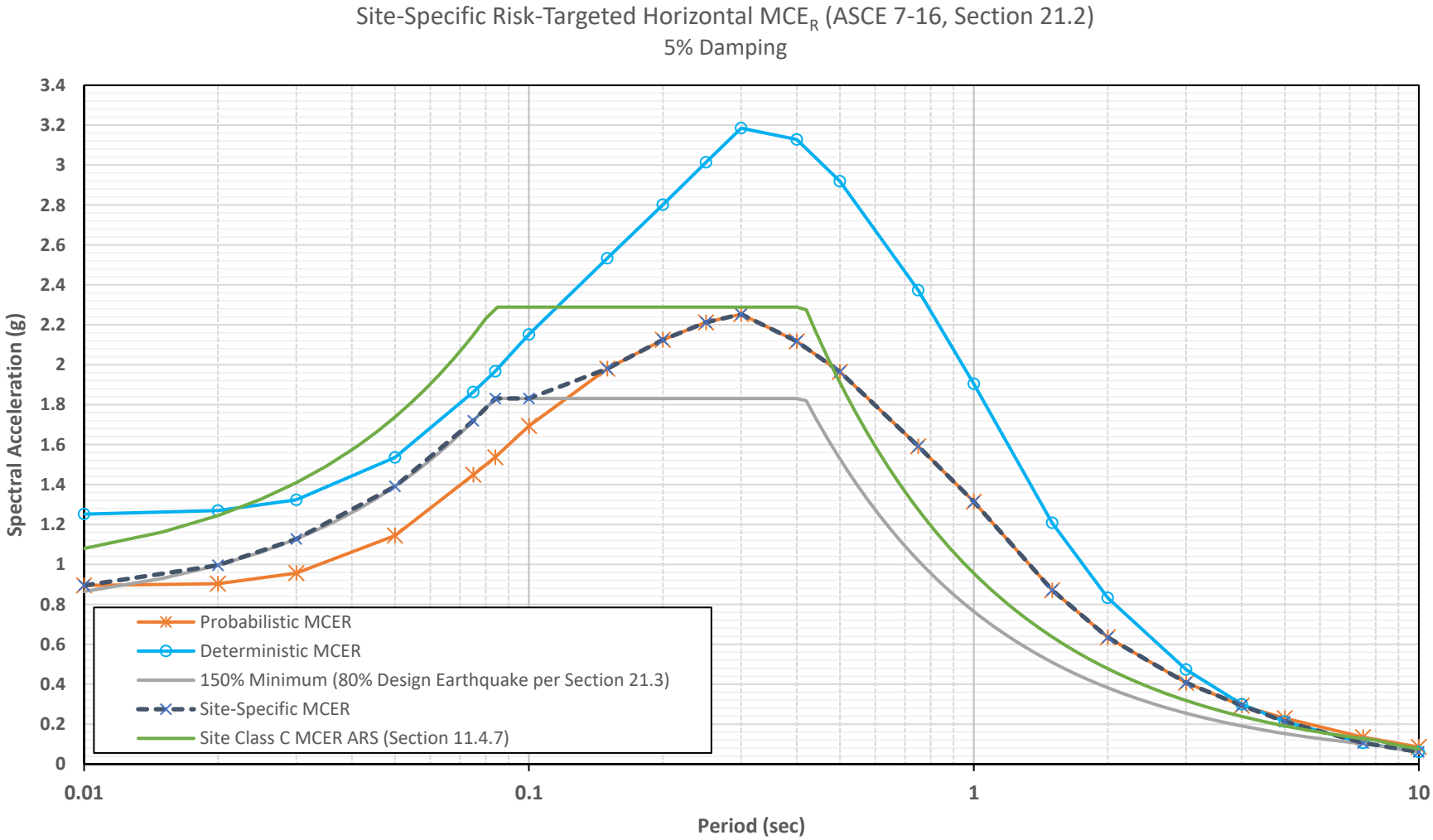
PROJECT NAME	FIGURE NAME	GROUP DELTA	
Garfield High School Comprehensive Modernization **5101 E. 6th Street, Los Angeles, CA**	**Probabilistic MCE$_R$** **Acceleration Response Spectrum**	PROJECT NUMBER LA1553	FIGURE NUMBER D-2



PROJECT NAME	FIGURE NAME	GROUP DELTA	
Garfield High School Comprehensive Modernization **5101 E. 6th Street, Los Angeles, CA**	**Deterministic** **Acceleration Response Spectra**	PROJECT NUMBER LA1553	FIGURE NUMBER D-3

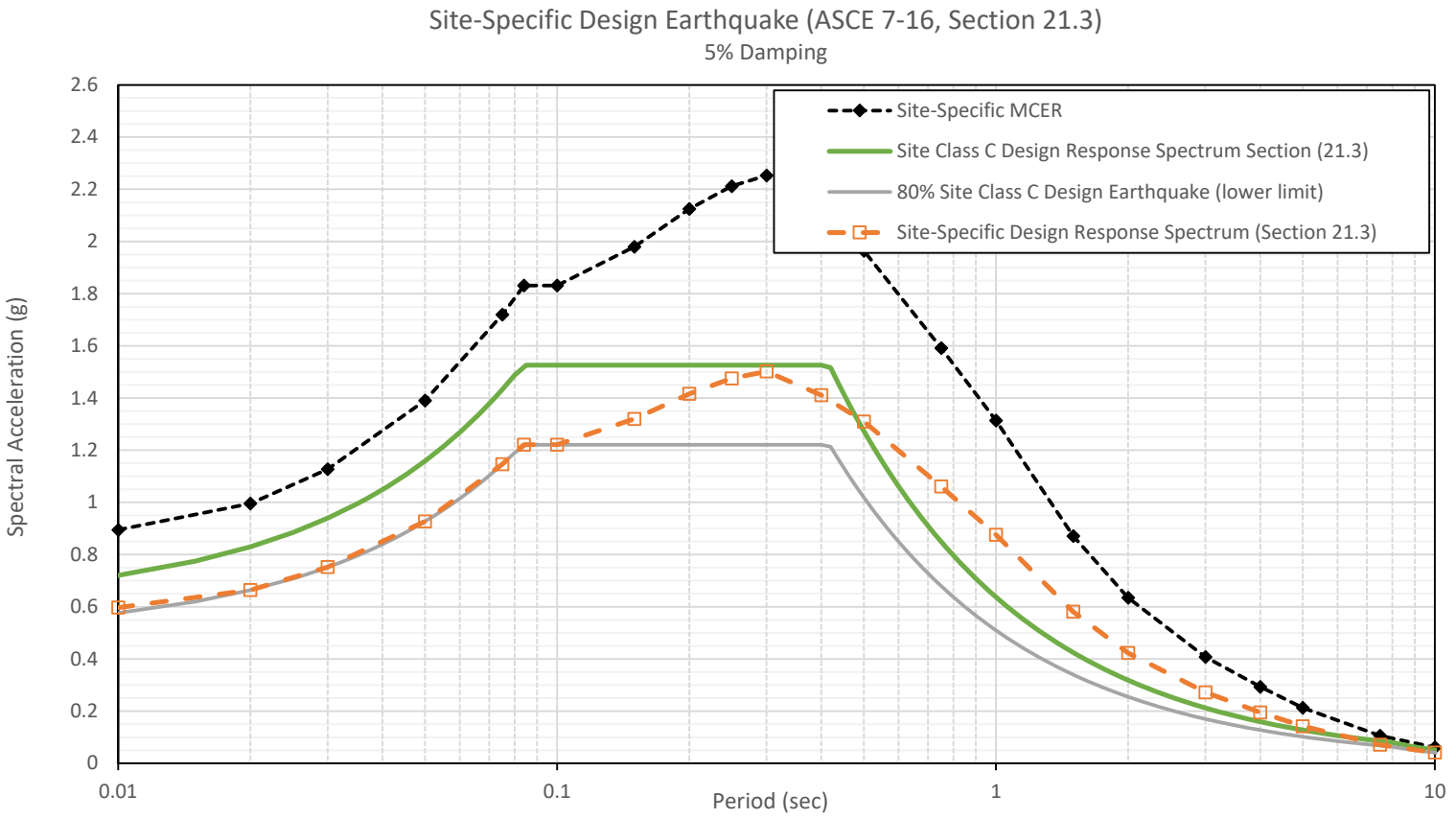


PROJECT NAME	FIGURE NAME	GROUP DELTA	
Garfield High School Comprehensive Modernization **5101 E. 6th Street, Los Angeles, CA**	**Deterministic MCE$_R$** **Acceleration Response Spectra**	PROJECT NUMBER LA1553	FIGURE NUMBER D-4



PROJECT NAME	FIGURE NAME	GROUP DELTA	
Garfield High School Comprehensive Modernization **5101 E. 6th Street, Los Angeles, CA**	**ASCE 7-16 Site-Specific MCE$_R$ Acceleration Response Spectra**	PROJECT NUMBER LA1553	FIGURE NUMBER D-5

ASCE 7-16 MCE_R and Design Earthquake		
Period	Design	MCE_R
(sec)	Sa (g)	Sa (g)
0.01	0.597	0.896
0.02	0.664	0.996
0.03	0.752	1.128
0.05	0.927	1.391
0.075	1.146	1.720
0.1	1.221	1.832
0.15	1.320	1.980
0.2	1.416	2.124
0.25	1.475	2.213
0.3	1.502	2.253
0.4	1.411	2.117
0.5	1.310	1.965
0.75	1.061	1.592
1	0.876	1.314
1.5	0.581	0.872
2	0.423	0.635
3	0.272	0.408
4	0.195	0.293
5	0.142	0.213
7.5	0.071	0.107
10	0.041	0.062



Site-Specific Design Acceleration Parameters (ASCE 7-16 Section 21.4)

S_{DS} = 90% of the peak S_a from T =0.2 to 5 s (not less than 80% of mapped S_{DS})

S_{D1} = Peak $T*S_a$ between periods of 1 second and 2 seconds (not less than 80% of mapped S_{D1})

S_{DS} = 1.352 **S_{D1} =** 0.876

PROJECT NAME	FIGURE NAME	GROUP DELTA	
Garfield High School Comprehensive Modernization **5101 E. 6th Street, Los Angeles, CA**	**ASCE 7-16 Site-Specific Design Earthquake and Site-Specific Design Acceleration Parameters**	PROJECT NUMBER LA1553	FIGURE NUMBER D-6

APPENDIX E

SITE-SPECIFIC SEISMIC HAZARD ANALYSIS PER ASCE 41-17

E.1 INTRODUCTION

This appendix presents the results of the site-specific seismic hazard analyses performed in accordance with ASCE 41-17 for the project. The subsurface soil conditions used in this study were obtained from our field investigation program including seismic CPTs and hallow stem auger borings.

Horizontal Acceleration Response Spectra (ARS) for 5-percent damping were developed for the four Basic Safety Earthquake (BSE) hazard levels, BSE-2N, BSE-1N, BSE-2E and BSE-1E, as defined by ASCE 41-17. Note that BSE-2N and BSE-1N hazard levels correspond to the Risk-Targeted Maximum Considered Earthquake (MCE_R) and Design Earthquake per ASCE 7-16, respectively. In accordance with ASCE 41-17, Section 2.4.2.1, site-specific ARS are developed following the procedures of Chapter 21 of ASCE 7-16. The following sections document the development of site-specific ARS curves for BSE-2E and BSE-1E hazard levels. Details of site-specific seismic hazard analyses and ARS development for BSE-2N (MCE_R) and BSE-1N (Design Earthquake) hazard levels were discussed in Appendix D.

ARS and design acceleration parameters for all four BSE hazard levels are presented in this appendix. Additional analysis details for the seismic setting, ground motion models, and other information pertaining to the seismic hazard analysis methodology is presented in Appendix D.

E.2 SEISMIC HAZARD ANALYSES

Probabilistic Seismic Hazard Analyses (PSHA) were performed to develop the horizontal 5-percent damped Acceleration Response Spectra (ARS) for the Basic Safety Earthquake (BSE) hazard levels, BSE-2E and BSE-1E, as defined by ASCE 41-17. BSE-2E hazard level is associated with a 5-percent probability of exceedance in 50 years, in the direction of maximum horizontal response, and the BSE-1E to a 20-percent probability of exceedance in 50 years, in the direction of maximum horizontal response. In accordance with ASCE 41-17, Sections 2.4.1.3 and 2.4.1.4, site-specific ARS developed for BSE-2E and BSE-1E hazard levels need not be higher than the ARS for BSE-2N and BSE-1N, respectively.

The median (RotD50) ground motion from our PSHA was adjusted to the maximum rotated component of ground motion (RotD100) using the factors stated in section 21.2 of ASCE 7-16. Figure E-1 presents the comparison of the median ground motion to maximum horizontal component for hazard levels BSE-2E and BSE-1E.

Details of the site-specific hazard analysis and ARS development for the BSE-2N (MCE_R) and BSE-1N (Design Earthquake) hazard levels were discussed in Appendix D.

E.3 SITE-SPECIFIC ACCELERATION RESPONSE SPECTRA

Development of the site-specific ARS for ASCE 41-17 is performed following the procedures recommended in Chapter 21 of ASCE 7-16. For a probabilistically defined spectrum (BSE-1E and BSE-2E), the procedure is followed, but neglects the deterministic ground motion development, and instead uses a cap of the BSE-1N (Design Earthquake per ASCE 7) or BSE-2N (MCE_R per ASCE 7) spectra, respectively. Per Commentary C2.4.2.1 of ASCE 41-17, the site-specific ARS is anchored to the general response spectrum as described in Chapter 21 of ASCE 7-16. Therefore, the site-specific BSE-1E or BSE-2E spectra may not be less than 80% of the general spectrum developed using mapped seismic parameters at each respective hazard level.

The site-specific BSE-1E and BSE-2E spectra developed in the previous section are compared to the general BSE-1N and BSE-2N spectra, respectively, as shown in Figure E-2. BSE-1E spectrum is less than the BSE-1N cap at all periods but the site-specific BSE-2E spectrum briefly crosses the BSE-2N cap at periods of 1 to 1.5 seconds and therefore is capped by BSE-2N spectrum at these periods.

Figure E-3 presents the 5-percent damped horizontal ARS along with tabulated values for the BSE-1E and BSE-2E hazard levels. The two site-specific ARS are also compared with the generic spectra produced with mapped values, as well as the 80-percent lower limit.

Figure E-4 presents the 5-percent damped horizontal ARS along with tabulated values for the BSE-2N (MCE_R ARS) and the BSE-1N (Design Earthquake).

E.4 SITE-SPECIFIC DESIGN ACCELERATION PARAMETERS

The site-specific short period design spectral acceleration (S_{DS}) and 1-second period design spectral acceleration (S_{D1}) parameters were determined in accordance with ASCE 7-16 Section 21.4. The parameter S_{DS} is taken as 90-percent of the maximum spectral acceleration from the site-specific design spectrum at periods between 0.2 and 5 seconds. The parameter S_{D1} is taken as the maximum of the product between period and spectral acceleration for periods from 1 to 2 seconds for sites with $V_{S,30}$ > 1,200 ft/s (365 m/s). The values obtained shall not be less than 80-percent of the mapped values for each hazard level, respectively. Mapped design acceleration parameters were obtained from the online SEAOC/OSHPD Seismic Design Maps tool (SEAOC/OSPHD, 2021).

Table E-1 presents the site-specific seismic design acceleration parameters.

Table E-1: Seismic Design Acceleration Parameters

Hazard Level	Parameter	Site-Specific Value
BSE-1E	S_{XS}	0.864
	S_{X1}	0.459
BSE-2E	S_{XS}	1.622
	S_{X1}	0.956
BSE-1N	S_{XS}	1.352
	S_{X1}	0.876
BSE-2N	S_{XS}	2.028
	S_{X1}	1.314

E.5 REFERENCES

(ASCE) American Society of Civil Engineers (2017). ASCE standard, ASCE/SEI 7-16, "Minimum design loads for buildings and other structures," ASCE, Reston, Virginia.

(ASCE) American Society of Civil Engineers. ASCE standard, ASCE/SEI 41-17, "Seismic Evaluation and Retrofit of Existing Buildings," ASCE, Reston, Virginia.

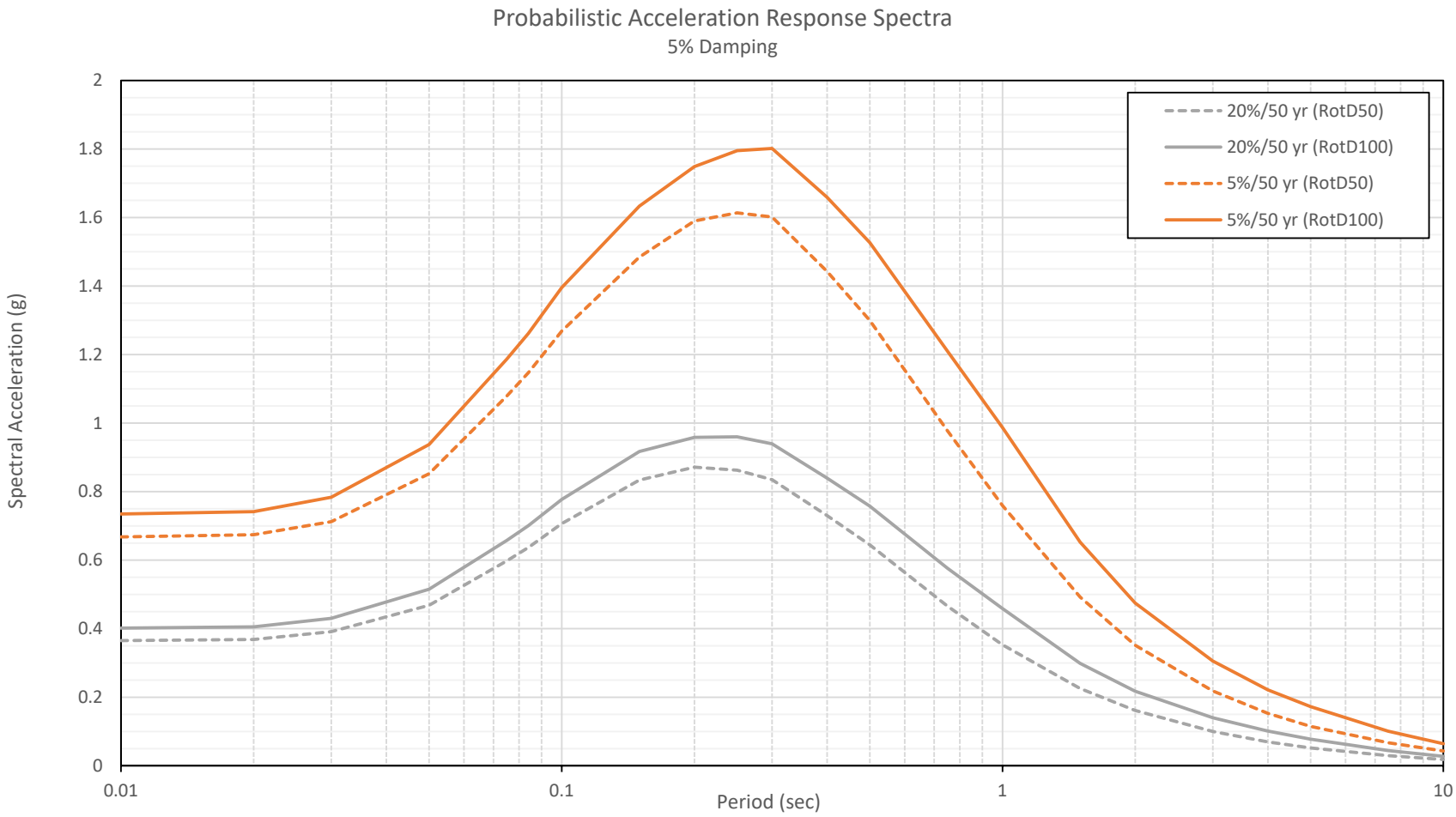
FIGURES

Figure E-1 Probabilistic Seismic Hazard Analyses for BSE-1E and BSE-2E Hazard Levels

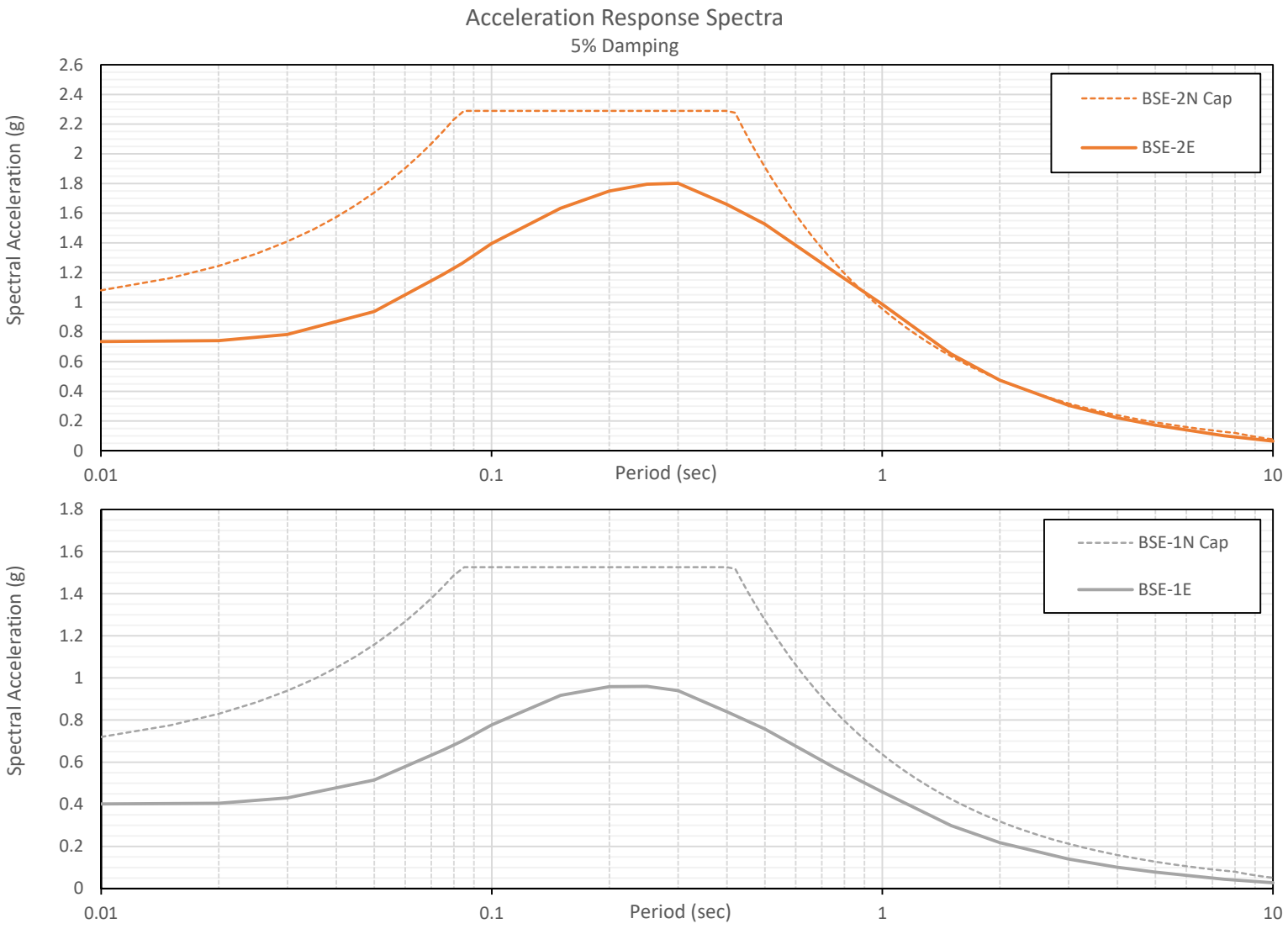
Figure E-2 Site-Specific BSE-1E and BSE-2E Comparison with BSE-1N and BSE-2N

Figure E-3 ASCE 4-17 Site-Specific BSE-1E and BSE-2E ARS and Design Acceleration Parameters

Figure E-4 ASCE 4-17 Site-Specific BSE-1N and BSE-2N ARS and Design Acceleration Parameters



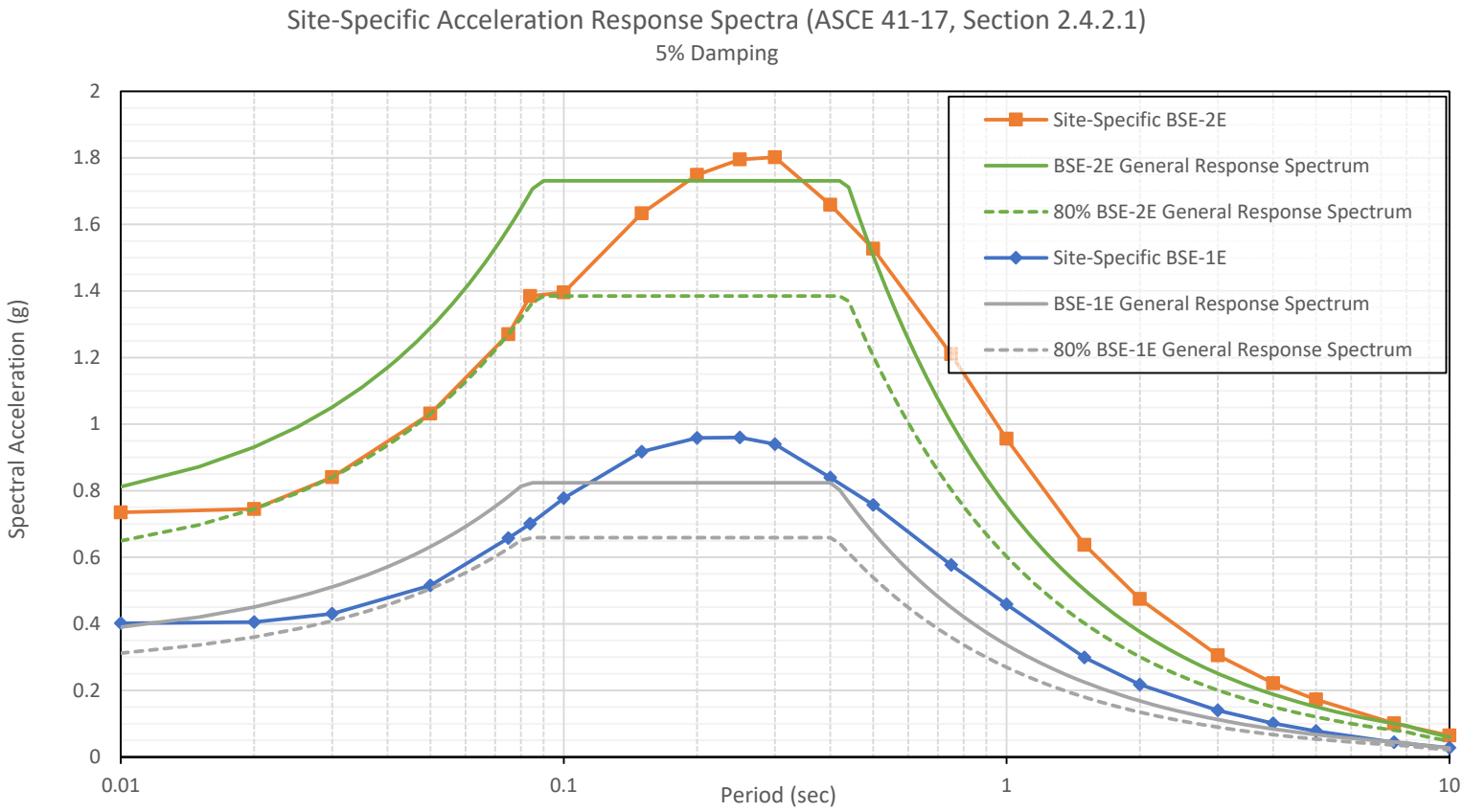
PROJECT NAME	FIGURE NAME	GROUP DELTA	
Garfield High School Comprehensive Modernization **5101 E. 6th Street, Los Angeles, CA**	**Probabilistic Seismic Hazard Analyses** **For BSE-2E and BSE-1E Hazard Levels**	PROJECT NUMBER LA1553	FIGURE NUMBER E-1



PROJECT NAME	FIGURE NAME		
Garfield High School Comprehensive Modernization **5101 E. 6th Street, Los Angeles, CA**	**Site-Specific BSE-1E and BSE-2E** **Comparison with BSE-1N and BSE-2N**	PROJECT NUMBER LA1553	FIGURE NUMBER E-2

GROUP DELTA

ASCE 41-17 Site-Specific Acceleration Response Spectra		
Period	BSE-1E	BSE-2E
(sec)	Sa (g)	Sa (g)
0.01	0.402	0.735
0.02	0.405	0.745
0.03	0.430	0.840
0.05	0.515	1.031
0.075	0.657	1.270
0.1	0.777	1.396
0.15	0.917	1.633
0.2	0.959	1.749
0.25	0.960	1.795
0.3	0.940	1.802
0.4	0.839	1.659
0.5	0.757	1.527
0.75	0.577	1.210
1	0.459	0.956
1.5	0.299	0.637
2	0.218	0.475
3	0.140	0.305
4	0.101	0.222
5	0.078	0.173
7.5	0.044	0.101
10	0.028	0.064



Site-Specific Design Acceleration Parameters

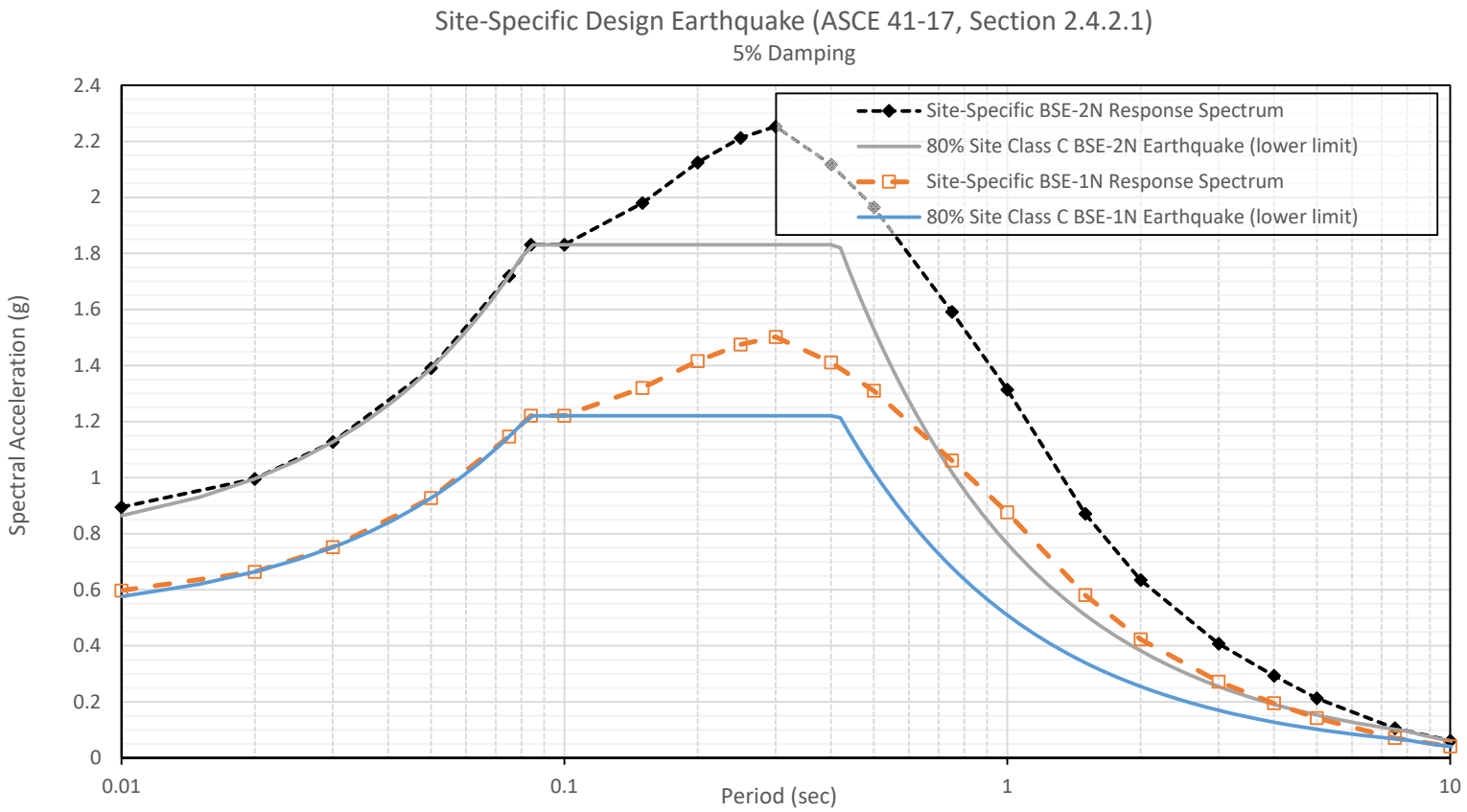
S_{XS} = 90% of the peak S_a from T =0.2 to 5 s (not less than 80% of mapped S_{XS})

S_{X1} = Peak T*S_a between periods of 1 second and 2 seconds (not less than 80% of mapped S_{X1})

$S_{XS,BSE-1E}$ =	0.864	$S_{XS,BSE-2E}$ =	1.622
$S_{X1,BSE-1E}$ =	0.459	$S_{X1,BSE-2E}$ =	0.956

PROJECT NAME	FIGURE NAME	GROUP DELTA	
Garfield High School Comprehensive Modernization **5101 E. 6th Street, Los Angeles, CA**	**ASCE 41-17 Site-Specific BSE-1E and BSE-2E ARS and Design Acceleration Parameters**	PROJECT NUMBER LA1553	FIGURE NUMBER E-3

ASCE 41-17 Site-Specific Acceleration Response Spectra		
Period	BSE-1N	BSE-2N
(sec)	Sa (g)	Sa (g)
0.01	0.597	0.896
0.02	0.664	0.996
0.03	0.752	1.128
0.05	0.927	1.391
0.075	1.146	1.720
0.1	1.221	1.832
0.15	1.320	1.980
0.2	1.416	2.124
0.25	1.475	2.213
0.3	1.502	2.253
0.4	1.411	2.117
0.5	1.310	1.965
0.75	1.061	1.592
1	0.876	1.314
1.5	0.581	0.872
2	0.423	0.635
3	0.272	0.408
4	0.195	0.293
5	0.142	0.213
7.5	0.071	0.107
10	0.041	0.062



Site-Specific Design Acceleration Parameters

S_{XS} = 90% of the peak S_a from T =0.2 to 5 s (not less than 80% of mapped S_{XS})

S_{X1} = Peak T*S_a between periods of 1 second and 2 seconds (not less than 80% of mapped S_{X1})

$S_{XS,BSE-1N}$ =	1.352	$S_{XS,BSE-2N}$ =	2.028
$S_{X1,BSE-1N}$ =	0.876	$S_{X1,BSE-2N}$ =	1.314

PROJECT NAME	FIGURE NAME	GROUP DELTA	
Garfield High School Comprehensive Modernization **5101 E. 6th Street, Los Angeles, CA**	**ASCE 41-17 Site-Specific BSE-1N and BSE-2N ARS and Design Acceleration Parameters**	PROJECT NUMBER LA1553	FIGURE NUMBER E-4

February 3, 2022 via email: piroozk@groupdelta.com

Group Delta Consultants
1320 South Simpson Circle
Anaheim, CA, 92806

Attention: Mr. Pirooz Kashighandi

Re: Soil Corrosivity Study
LAUSD Garfield HS Major Modernization
Los Angeles, California
HDR #22-0072SCS, GD #LA1553

Introduction

Laboratory tests have been completed on three soil samples provided for the LAUSD Garfield HS Major Modernization project. The purpose of these tests was to determine whether the soils are likely to have deleterious effects on underground utility piping, hydraulic elevator cylinders, and concrete structures. HDR assumes that the provided samples are representative of the most corrosive soils at the site.

The proposed structure consists of a classroom building with two stories and one subterranean level. The site is located at 5101 East 6th Street in Los Angeles, California, and the water table is reportedly greater than 50 feet deep.

The scope of this study is limited to a determination of soil corrosivity and general corrosion control recommendations for materials likely to be used for construction. HDR's recommendations do not constitute, and are not meant as a substitute for, design documents for the purpose of construction. If the architects and/or engineers desire more specific information, designs, specifications, or review of design, HDR will be happy to work with them as a separate phase of this project.

Soil Corrosivity Testing

The electrical resistivity of each sample was measured in a soil box per *ASTM International (ASTM)* G187 in its as-received condition and again after saturation with distilled water. Resistivities are at about their lowest value when the soil is saturated. The pH of the saturated samples was measured per ASTM G51. A 5:1 water:soil extract from each sample was chemically analyzed for the major soluble salts commonly found in soil per ASTM D4327, ASTM D6919, and *American Water Works Association (AWWA*) Standard Method 2320-B.

The laboratory analyses were performed under HDR laboratory number 22-0072SCS. The full set of test results are shown in the attached Table A1.

Discussion

A major factor in determining soil corrosivity is electrical resistivity. The electrical resistivity of a soil is a measure of its resistance to the flow of electrical current. Corrosion of buried metal is an electrochemical process in which the amount of metal loss due to corrosion is directly proportional to the flow of electrical current (DC) from the metal into the soil. Corrosion currents, following Ohm's Law, are inversely proportional to soil resistivity. Lower electrical resistivities result from higher moisture and soluble salt contents and indicate corrosive soil. A correlation between electrical resistivity and corrosivity toward ferrous metals is shown in Table 1.[1]

Table 1: Soil Corrosivity Categories.

Soil Resistivity (ohm-cm)	Corrosivity Category
Greater than 10,000	Mildly Corrosive
2,001 to 10,000	Moderately Corrosive
1,001 to 2,000	Corrosive
0 to 1,000	Severely Corrosive

Other soil characteristics that may influence corrosivity towards metals are pH, soluble salt content, soil types, aeration, anaerobic conditions, and site drainage.

Electrical resistivities were in the mildly corrosive to corrosive categories with as-received moisture. When saturated, the resistivities were in the corrosive to severely corrosive categories. Some as-received resistivities were at or near their saturated values. The resistivities dropped considerably with added moisture because the samples were dry as-received.

Soil pH values varied from 5.6 to 6.7. This range is moderately acidic to neutral.[2] These values do not particularly increase soil corrosivity.

The soluble salt content of the samples ranged from low to high.

The soluble salt content was high in the samples from borings B-5 @ 0-5’ and less in the others. Chloride and sulfate salts were the predominant constituents. Chloride is particularly corrosive to ferrous metals, and in the higher concentrations measured in the soil samples, chloride can overcome the corrosion inhibiting effect of concrete on reinforcing steel. High concentrations of sulfate, as was measured in the soil samples, can react with components in concrete to cause degradation and reduced strength in a mechanism known as sulfate attack.

Per ACI-318, the soil is classified as S0 with respect to sulfate concentration.[3]

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[1] *Romanoff, Melvin. Underground Corrosion, NBS Circular 579. Reprinted by NACE. Houston, TX, 1989, pp. 166–167.*

[2] *Romanoff, Melvin. Underground Corrosion, NBS Circular 579. Reprinted by NACE. Houston, TX, 1989, p. 8.*

[3] *American Concrete Institute (ACI) 318-19 Table 19.3.1.1.*

The nitrate concentration was high enough to be aggressive to copper. Ammonium was not detected.

Tests were not made for sulfide and oxidation-reduction (redox) potential because these samples did not exhibit characteristics typically associated with anaerobic conditions.

In conclusion, this soil is classified as severely corrosive to ferrous metals, aggressive to copper, negligible (S0) for sulfate attack on concrete, and aggressive with respect to exposure of reinforcing steel to the migration of chloride.

Corrosion Control Recommendations

The life of buried materials depends on thickness, strength, loads, construction details, soil moisture, etc., in addition to soil corrosivity, and is, therefore, difficult to predict. Of more practical value are corrosion control methods that will increase the life of materials that would be subject to significant corrosion. The following recommendations are based on the evaluation of soil corrosivity described above. Unless otherwise indicated, these recommendations apply to the entire site or alignment.

All Pipe

1. On all pipes, appurtenances, and fittings not protected by cathodic protection, coat bare metal such as valves, bolts, flange joints, joint harnesses, and flexible couplings with wax tape per AWWA C217 after assembly.

2. Where metallic pipelines penetrate concrete structures, such as building floors, vault walls, and thrust blocks use plastic sleeves, rubber seals, or other dielectric material to prevent pipe contact with the concrete and reinforcing steel.

3. To prevent differential aeration corrosion cells, provide at least 2 inches of pipe bedding or backfill material all around metallic piping, including the bottom. Do not lay pipe directly on undisturbed soil.

Steel Pipe

1. Underground steel pipe with rubber gasketed, mechanical, grooved end, or other nonconductive type joints should be bonded for electrical continuity. Electrical continuity is necessary for corrosion monitoring and cathodic protection.

2. Install corrosion monitoring test stations to facilitate corrosion monitoring and the application of cathodic protection:

    a. At each end of the pipeline.

    b. At each end of all casings.

    c. Other locations as necessary so the interval between test stations does not exceed 1,200 feet.

3. To prevent dissimilar metal corrosion cells and to facilitate the application of cathodic protection, electrically isolate each buried steel pipeline per NACE SP0286 from:
    a. Dissimilar metals.
    b. Dissimilarly coated piping (cement-mortar vs. dielectric).
    c. Above ground steel pipe.
    d. All existing piping.
4. Apply a suitable dielectric coating intended for underground use such as:
    a. Polyurethane per AWWA C222 *or*
    b. Extruded polyethylene per AWWA C215 *or*
    c. A tape coating system per AWWA C214 *or*
    d. Hot applied coal tar enamel per AWWA C203 *or*
    e. Fusion bonded epoxy per AWWA C213.
5. Apply cathodic protection to steel piping as per NACE SP0169.

NOTE: Some steel piping systems, such as oil, gas, insulated, or high-pressure piping systems, have special corrosion and cathodic protection requirements that must be evaluated for each specific application.

Ductile Iron Pipe

1. To prevent dissimilar metal corrosion cells and to facilitate the application of cathodic protection, electrically insulate underground iron pipe from dissimilar metals and from above ground iron pipe with insulating joints per NACE SP0286.
2. Bond all nonconductive type joints for electrical continuity. Electrical continuity is necessary for corrosion monitoring and cathodic protection.
3. Install corrosion monitoring test stations to facilitate corrosion monitoring and the application of cathodic protection:
    a. At each end of the pipeline.
    b. At each end of any casings.
    c. Other locations as necessary so the interval between test stations does not exceed 1,200 feet.
4. Choose one of the following corrosion control options:

    OPTION 1

a. Apply a suitable coating intended for underground use such as:

   i. Polyethylene encasement per AWWA C105; *or*

   ii. Epoxy coating; *or*

   iii. Polyurethane; *or*

   iv. Wax tape.

   NOTE: The thin factory-applied asphaltic coating applied to ductile iron pipe for transportation and aesthetic purposes does not constitute a corrosion control coating.

b. Apply cathodic protection to ductile iron piping as per NACE SP0169.

NOTE: Some iron piping systems, such as for fire water piping, have special corrosion and cathodic protection requirements that must be evaluated for each specific application.

Cast Iron Soil Pipe

1. Protect cast iron soil pipe with either a double wrap 4-mil or single wrap 8-mil polyethylene encasement per AWWA C105.
2. It is not necessary to bond the pipe joints or apply cathodic protection.
3. Provide 6 inches of clean sand backfill all around the pipe. Use the following parameters for clean sand backfill:

   a. Minimum saturated resistivity of no less than 3,000 ohm-cm; *and*

   b. pH between 6.0 and 8.0.

   c. All backfill testing should be performed by a corrosion engineering laboratory.

Copper Tubing

1. Use Type K or Type L copper tubing as required by the applicable local plumbing code. Type M tubing should not be used for buried applications.[4]
2. Electrically insulate underground copper pipe from dissimilar metals and from above ground copper pipe with insulating devices per NACE SP0286.
3. Electrically insulate cold water piping from hot water piping systems.
4. Protect buried copper tubing by one of the following measures:

   a. Prevent soil contact. Soil contact may be prevented by placing the tubing above ground or encasing the tubing using PVC pipe with solvent-welded joints. Either

[4] *2016 California Plumbing Code (CPC), July 1, 2018 Supplement, Section 604.3.*

seal the PVC pipe at both ends or terminate both ends above-grade in a manner that doesn't allow water to infiltrate; or

b. Install copper pipe with a factory-applied coating that is at least 25 mils in thickness. Use Kamco's Aqua Shield™, Mueller Streamline's Plumbshield™, or equal. The coating must be continuous with no cuts or defects.

c. Insulate the pipe by installing 12-mil polyethylene pipe wrapping tape with butyl rubber mastic over a suitable primer. Protect wrapped copper tubing by applying cathodic protection per NACE SP0169.

Plastic and Vitrified Clay Pipe

1. No special corrosion control measures are required for plastic and vitrified clay piping placed underground.

2. Protect all metallic fittings and valves with wax tape per AWWA C217, or with epoxy and appropriately designed cathodic protection system per NACE SP0169.

Concrete Structures and Pipe

1. From a corrosion standpoint, any type of ASTM C150 cement may be used for concrete structures and pipe because the sulfate concentration is negligible (S0), from 0 to 0.10 percent. Use a minimum strength of 2,500 psi per applicable codes.[5,6,7]

2. Chloride concentrations were measured at levels where additional protective measures are required to protect steel and iron embedded in concrete from chloride attack.[8] This applies to such items as reinforcing steel and anchor bolts, but not post-tensioning strands and anchors, which have separate requirements. The protection could be one or a combination of the following:

    a. Install protective concrete, a concrete mix designed to protect embedded steel and iron based on the following parameters:

        i. A chloride ion content of 600 ppm in the soil;

        ii. The desired service life;

        iii. The design concrete cover; and

        iv. The applicable building code.

---

[5] *2018 International Building Code (IBC) which refers to American Concrete Institute (ACI) 318-19 Table 19.3.2.1*

[6] *2015 International Residential Code (IRC) which refers to American Concrete Institute (ACI) 318-19 Table 19.3.2.1*

[7] *2016 California Building Code (CBC) which refers to American Concrete Institute (ACI) 318-19 Table 19.3.2.1*

[8] *Design Manual 303: Concrete Cylinder Pipe. Ameron. p.65*

Note that a protective concrete mix may include a corrosion inhibitor admixture and/or supplementary cementitious materials such as fly ash or silica fume.

b. Install waterproof concrete. Waterproofing for concrete could be a gravel capillary break under the concrete, a waterproof membrane such as the Grace PrePrufe® products, a waterproofing admixture, and/or a liquid applied waterproof barrier coating. Visqueen, similar rolled barriers, or bentonite-based membranes are not viable waterproofing systems for corrosion protection.[9]

c. Coat embedded metal. A coating for embedded steel and iron could be an epoxy coating applied to the metal. Purple fusion bonded epoxy (FBE) (ASTM A934) intended for prefabricated reinforcing steel reinforcing steel is suitable. Any damage to the coating must be repaired in accordance with the manufacturer's specifications prior to installation. The green flexible FBE (ASTM A775) is not recommended.

d. Apply cathodic protection. Cathodic protection is most practical for pipelines and must be designed for each application. The amount of cathodic protection current needed can be minimized by coating the steel or iron.

Concrete Piles

Steel Reinforced Cast in Place Concrete Piles

1. Protect steel reinforced cast-in-place and cast-in-drilled-hole concrete piles in accordance with the recommendations of the concrete structures section in this report.

2. If the piles are uncased or there is uncertainty about the shaft profile, consider whether additional concrete cover will be needed to ensure the minimum is achieved.

Hydraulic Elevators

1. Choose one of the following corrosion control options for the hydraulic steel cylinders.

OPTION 1

a. Coat hydraulic elevator cylinders with a suitable dielectric coating intended for underground use such as:

i. Polyurethane per AWWA C222 or

ii. Extruded polyethylene per AWWA C215 or

iii. A tape coating system per AWWA C214 or

iv. Hot applied coal tar enamel per AWWA C203 or

---

[9] *ASTM E1643-11 (2017): Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs. ASTM International, 2017.*

v. Fusion bonded epoxy per AWWA C213.

b. Electrically insulate each cylinder from building metals by installing dielectric material between the piston platen and car, insulating the bolts, and installing an insulated joint in the oil line; and

c. Apply cathodic protection to hydraulic cylinders as per NACE SP0169.

OPTION 2

a. As an alternative to electrical insulation and cathodic protection, place each cylinder in a plastic casing with a plastic watertight seal at the bottom.

2. The elevator oil line should be placed above ground if possible but, if underground, should be protected by one of the following corrosion control options:

OPTION 1

a. Provide a bonded dielectric coating,

b. Electrically isolate the pipeline, and

c. Apply cathodic protection to steel piping as per NACE SP0169.

OPTION 2

a. Place the oil line in a PVC casing pipe with solvent-welded joints and sealed at both ends to prevent contact with soil and moisture.

Expanded Analysis

1. Because a limited number of samples were submitted for soil corrosivity analysis, recommendations are based on a worst-case scenario. However, only one of the three submitted samples indicate severely corrosive conditions. The owner may find it advantageous to consider retesting the site more extensively in order to allow for the appropriate scaling of mitigative measures to match the corrosivity of the various regions of the site, thereby removing the alternate need of applying the worst-case corrosivity to the entire site.

Closure

The analysis and recommendations presented in this report are based upon data obtained from the laboratory samples. This report does not reflect variations that may occur across the site or due to the modifying effects of construction. If variations appear, HDR should be notified immediately so that further evaluation and supplemental recommendations can be provided.

HDR's services have been performed with the usual thoroughness and competence of the engineering profession. No other warranty or representation, either expressed or implied, is included or intended.

Please call if you have any questions.

Respectfully Submitted,
HDR Engineering, Inc.

Lucy Jaramillo, EIT
Corrosion EIT

Bradley M. Stuart, PE
Corrosion Engineer

Enc: Table A1 – Laboratory Tests on Soil Samples

22-0072SCS-LJ-BS

Table A1 - Laboratory Tests on Soil Samples

Group Delta Consultants
LAUSD Garfield HS Major Modernization
Your #LA1553, HDR Lab #22-0072SCS
25-Jan-22

Sample ID			B-1 @ 0-5'	B-3 @ 0-5'	B-5 @ 0-5'
Resistivity		**Units**			
as-received		ohm-cm	2,600	1,560	292,000
saturated		ohm-cm	1,440	1,200	480
pH			6.6	6.7	5.6
Electrical Conductivity		mS/cm	0.09	0.22	0.63
Chemical Analyses					
Cations					
calcium	Ca^{2+}	mg/kg	47	89	180
magnesium	Mg^{2+}	mg/kg	17	21	58
sodium	Na^{1+}	mg/kg	96	103	282
potassium	K^{1+}	mg/kg	6.2	16	15
ammonium	NH_4^{1+}	mg/kg	ND	ND	ND
Anions					
carbonate	CO_3^{2-}	mg/kg	ND	ND	ND
bicarbonate	HCO_3^{1-}	mg/kg	186	366	92
fluoride	F^{1-}	mg/kg	4.0	1.5	2.0
chloride	Cl^{1-}	mg/kg	14	14	548
sulfate	SO_4^{2-}	mg/kg	80	293	445
nitrate	NO_3^{1-}	mg/kg	13	1.6	57
phosphate	PO_4^{3-}	mg/kg	ND	ND	ND
Other Tests					
sulfide	S^{2-}	qual	na	na	na
Redox		mV	na	na	na

Resistivity per ASTM G187, pH per ASTM G51, Cations per ASTM D6919, Anions per ASTM D4327, and Alkalinity per APHA 2320-B.

Electrical conductivity in millisiemens/cm and chemical analyses were made on a 1:5 soil-to-water extract.

mg/kg = milligrams per kilogram (parts per million) of dry soil.

Redox = oxidation-reduction potential in millivolts

ND = not detected

na = not analyzed

431 West Baseline Road · Claremont, CA 91711
Phone: 909.962.5485 · Fax: 909.626.3316

APPENDIX G – RELEVANT AS-BUILT FOUNDATION PLANS FOR EXISTING BUILDINGS

Building A and Building B
Location Map

JAMES A GARFIELD HIGH SCHOOL

FOR

LOS ANGELES BOARD OF EDUCATION

KEY TO MATERIAL

BRICK IN ELEVATION
STONE IN ELEVATION
CONCRETE IN ELEVATION
BRICK IN SECTION
STONE IN SECTION
CONCRETE IN SECTION
WOOD IN SECTION
PLASTER IN SECTION
TILE IN SECTION
METAL IN SECTION
EARTH IN SECTION

ALL ELECTRIC SYMBOLS ARE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION STANDARDS

ALL CONCRETE DIMENSIONS ARE TO FACE OF EDGE

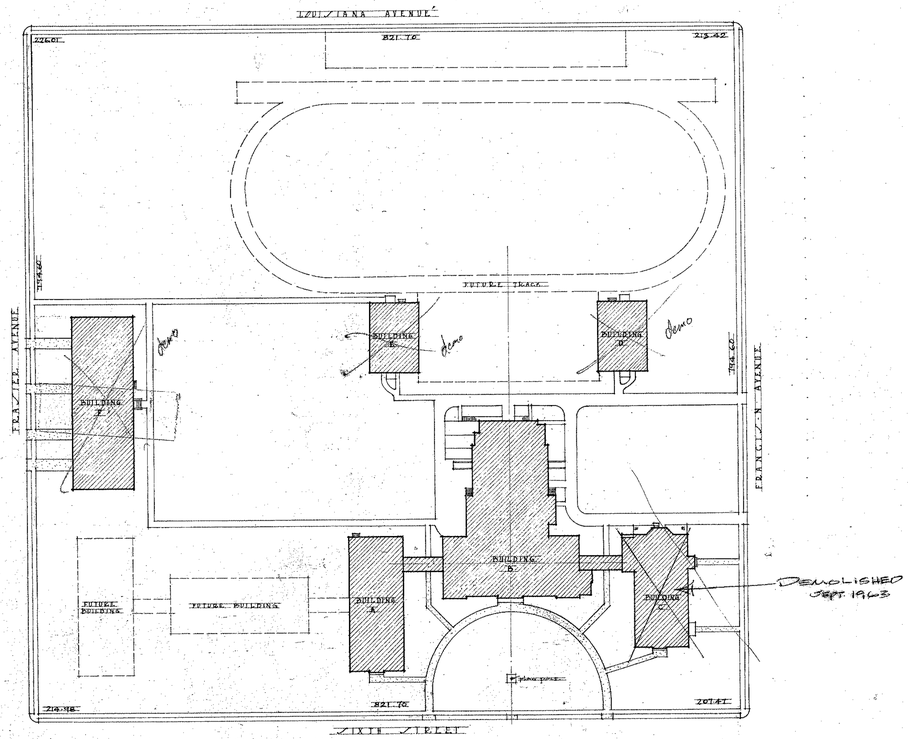
ALL TILE PARTITION DIMENSIONS ARE TO FACE OF TILE

ALL STEEL FURRING PARTITIONS OR PLANS & MEASUREMENTS ARE SYMMETRICAL ABOUT C OF BUILDING UNLESS OTHERWISE SHOWN

ALL DIMENSIONS UNDER TWO FT TO BE GIVEN IN INCHES

CONTRACTOR TO VERIFY ALL DIMENSIONS AT BLDG

DATUM FIRST FLOOR LINE USED IN DRAWING IS SHOWN ON DRAWINGS AS 215.5 IN ACCORDANCE WITH ELEVATIONS ESTABLISHED BY ENGINEERS BENCH MARK IS CUT IN LEDGE AT ELEVATION 206.8 FT



PLOT PLAN
SCALE 1" = 150'

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2 FLOOR PLAN - BLDG A
3 ELEVATION & SECTION - BLDG A
4 PLOT FLOOR PLAN BLDG B
5 SECOND FLOOR PLAN BLDG B
6 THIRD FLOOR PLAN BLDG B
7 ELEVATION - BLDG B
A " " "
9 SECTION & DETAIL - BLDG B
10 AUDITORIUM SECTION - BLDG B
11 FLOOR PLAN - BLDG C
12 ELEVATION & SECTION - BLDG C
12½ ROOF PLAN A - B & C
13 BLDG D
14 BLDG E
15 PLAN & DETAIL - BLDG F
16 ELEVATION & DETAIL - BLDG F
17 WINDOW SCHEDULE & DETAIL
17½ DOOR " " "
18 DETAIL - MISC
19 EXTERIOR DETAIL - BLDG A & C
20 " " " A " "
21 EXTERIOR DETAIL - BLDG E
22 DETAIL - BLDG B
23 EXTERIOR DETAIL - BLDG B
24 DETAIL MAIN ENTRANCE BLDG B
25 INTERIOR DETAIL - BLDG B
26 " " " MISC
27 " " " BLDG B
28 " " "
29 INTERIOR DETAIL - MISC
30 DETAIL - MISC
31 INTERIOR DETAIL - MISC
51 FRAMING PLAN - BLDG A
52 ROOF FRAMING PLAN & STAIR DETAIL BLDG A
53 REINFORCED CONCRETE & STEEL LINTEL SCHEDULE BLDG A
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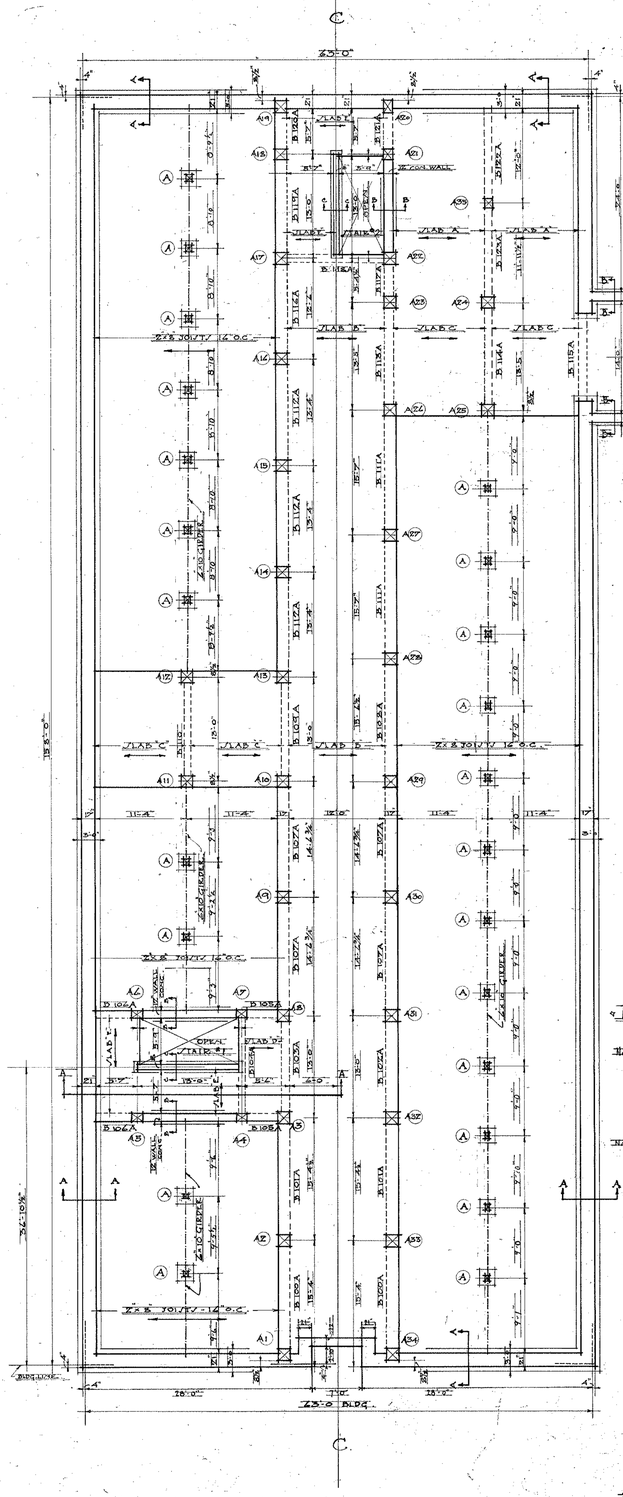
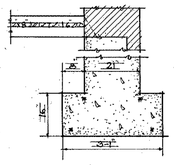
57 ROOF FRAMING PLAN & STAIR DETAIL BLDG B
58 REINFORCED CONCRETE & STEEL BEAM SCHEDULE BLDG B
59 CONCRETE & STEEL SCHEDULE AUD & STAGE BLDG B
510 ROOF TRUSS & BALCONY DETAIL BLDG B
511 FRAMING PLAN - BLDG C
512 ROOF FRAMING PLAN & STAIR DETAIL BLDG C
513 REINFORCED CONCRETE & STEEL LINTEL SCHEDULE BLDG C

GEORGE M LINDSEY
ARCHITECT
327 HOMER LAUGHLIN BUILDING - LOS ANGELES CAL

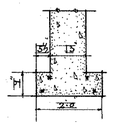
80-6298

Building A
Foundation Plan

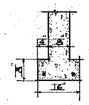




SECTION A-A



SECTION B-B
TYPICAL 24" WALL

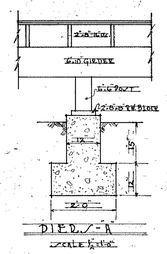


SECTION C-C

TYPICAL FOOTING
SCALE 1/2"=1'-0"

NOTE
ALL REINFORCING STEEL IN FOOTING TO BE 3/4" ø BARS

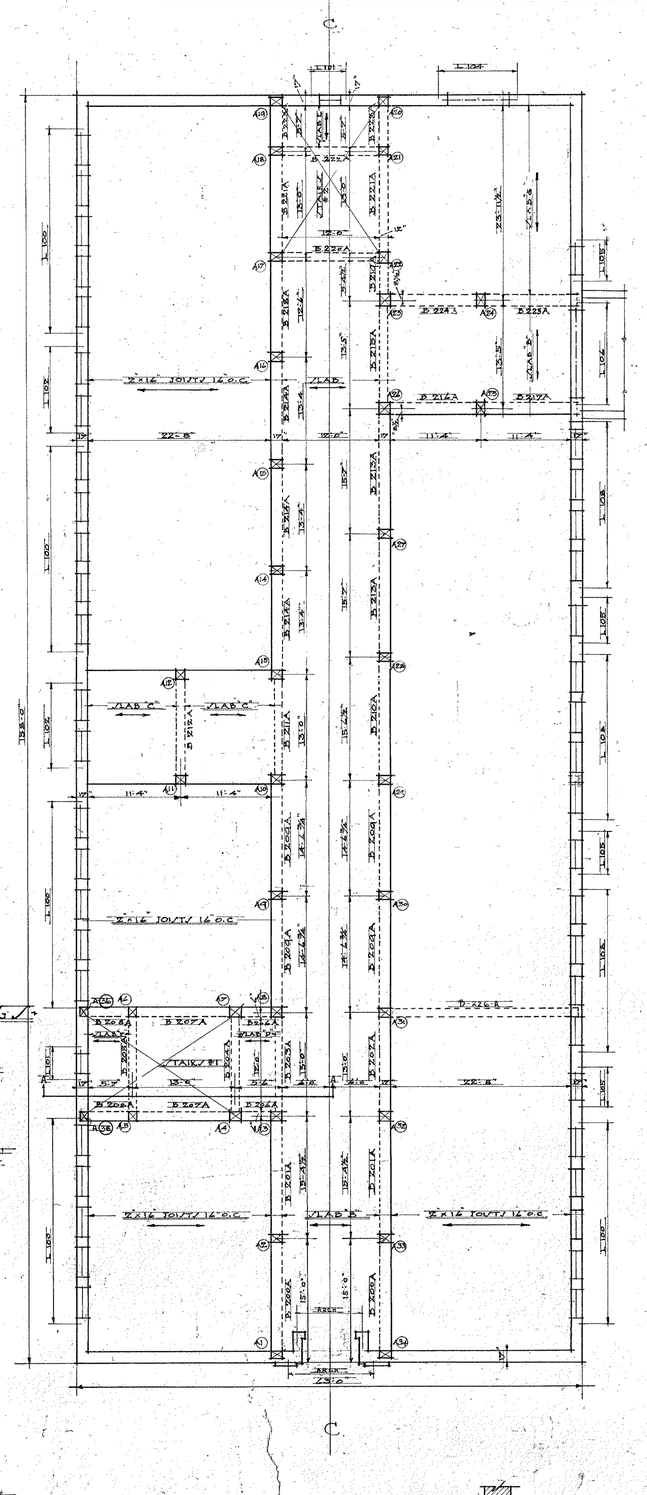
NOTE
ALL FOOTINGS TO BE AT LEAST 30" BELOW NATURAL GRADE



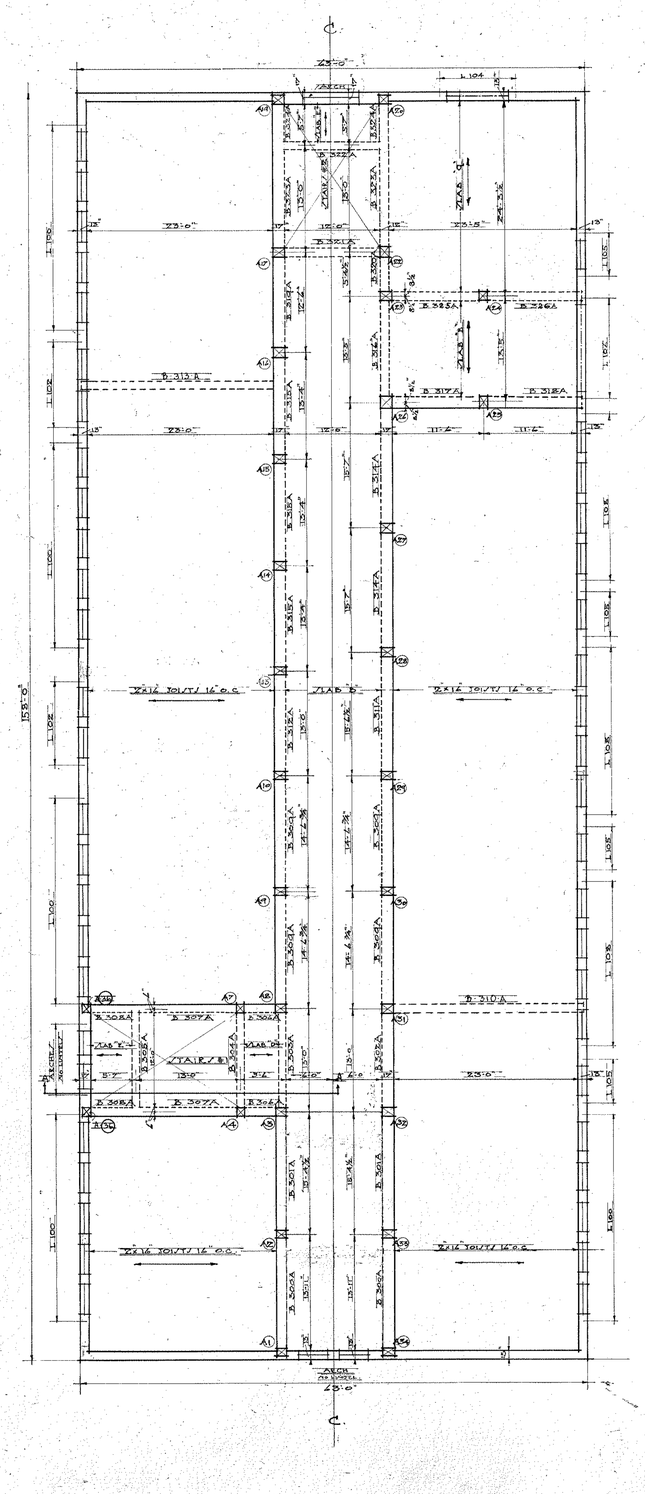
DTL. A
SCALE 1/2"=1'-0"

SOIL BEARING VALUE 6000#

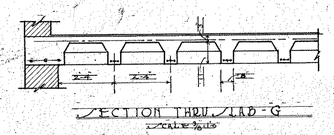
1ST FLOOR FRAMING AND FOUNDATION PLAN
SCALE 1/8"=1'-0"



2ND FLOOR FRAMING PLAN
SCALE 1/8"=1'-0"

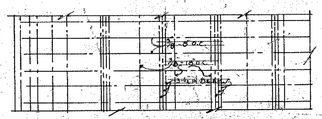


3RD FLOOR FRAMING PLAN
SCALE 1/8"=1'-0"



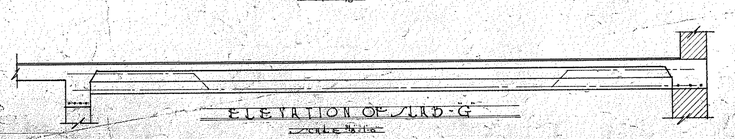
SECTION THRU SLAB G
SCALE 3/4"=1'-0"

NOTE
BOND BEAM IN SECOND AND THIRD FLOORS TO BE 8"x12" WITH 2 3/4" RODS CONTINUOUS IN BOTTOM AND 1 3/4" ROD CONTINUOUS IN TOP.
LINTELS IN TILE PARTITIONS TO BE AS PER DETAIL SHEET S-2



PLAN OF SLAB G

DETAIL OF SLAB G
SCALE 3/4"=1'-0"



ELEVATION OF SLAB G
SCALE 3/4"=1'-0"

BUILDING A

8679.03

APPROVED:
Susan M. Dorsey
SUPERINTENDENT
[illegible]
BUSINESS MGR.
[illegible]

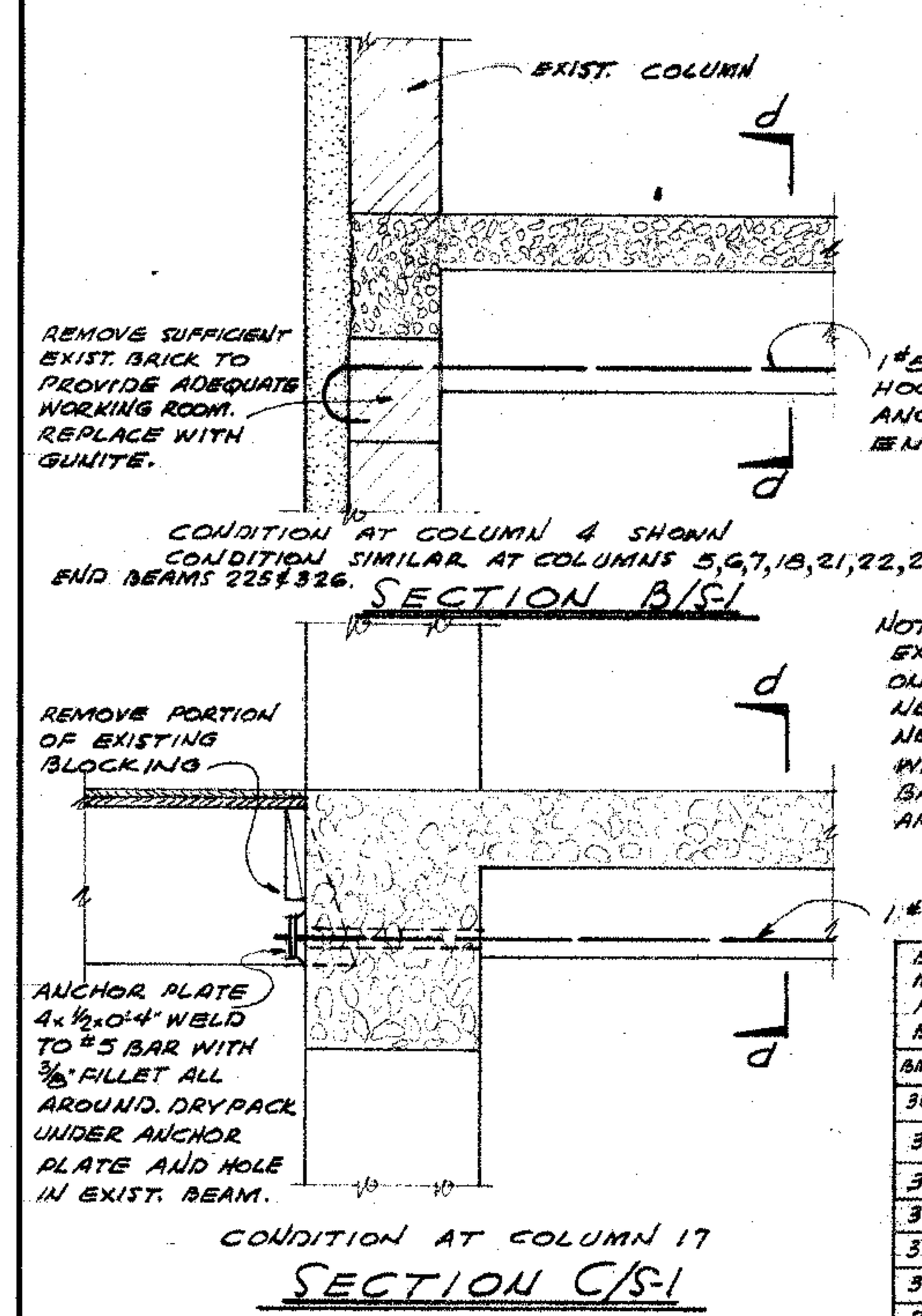
JAMES A. GARFIELD HIGH SCHOOL
EAST SIXTH STREET BETWEEN FRASER & FRANCIS AVES., BELVEDERE GARDENS, CAL.

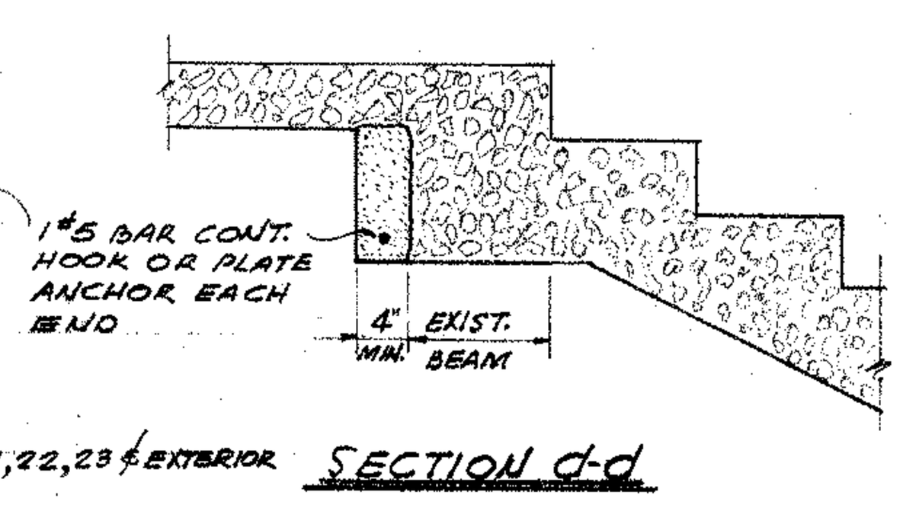
PLANS PREPARED FOR
BOARD OF EDUCATION
LOS ANGELES CITY HIGH SCHOOL DISTRICT

GEORGE M. LINDSEY
ARCHITECT
325-31 HOMER LAUGHLIN BLDG.
LOS ANGELES

DATE 12-12-29
REV. 12-31-29
DR BY A.G.
TR BY J.
CH BY E.E.E.
JOB NO. 250
SHEET NO. S-1

Building A
Foundation Plan





NOTE - WHERE COLUMN IS WIDER THAN EXIST. BEAM REMOVE EXIST. CONCRETE ON COLUMN TO EXIST. TIES TO ALLOW NEW #5 BAR TO PASS CLOSE TO BEAM. NEW BAR SHALL BE IN A PLANE PARALLEL WITH EXISTING BEAM SIDE.
BARS DISCONTINUOUS AT COLUMN 24 WHERE APPLIED TO BEAMS 224, 225, 325 & 326

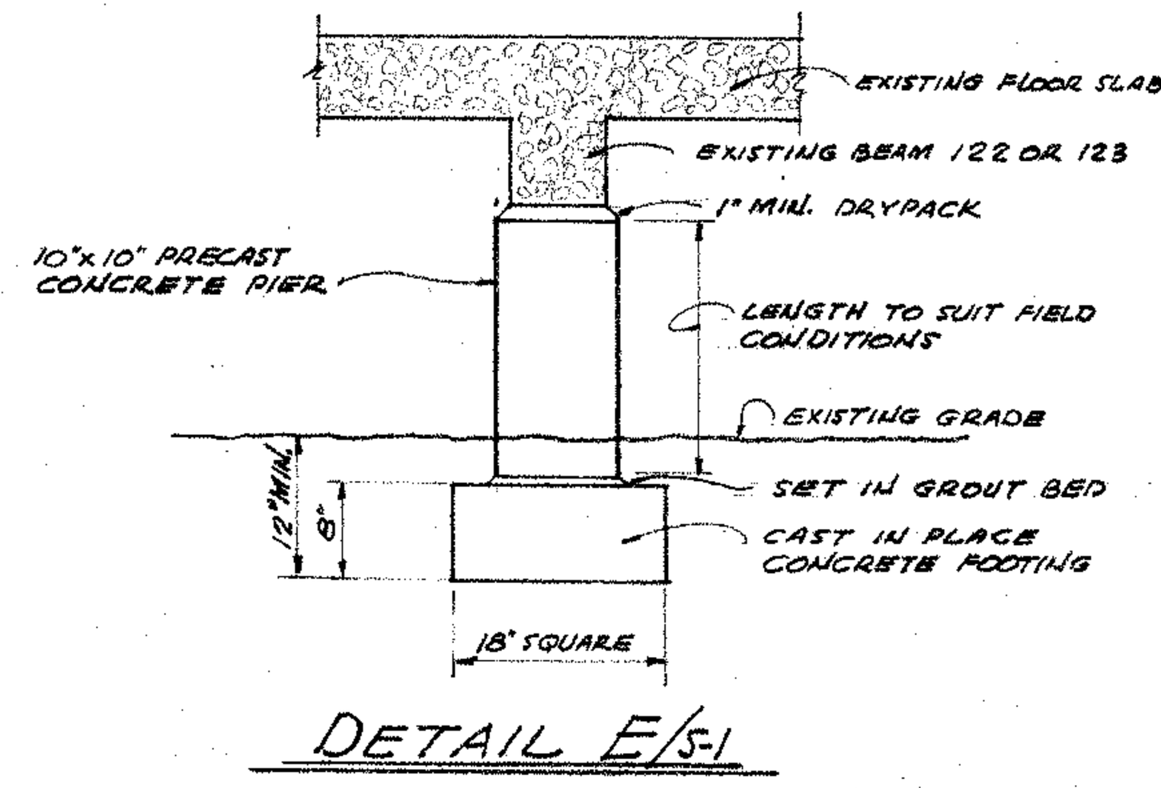
1 #5 BAR

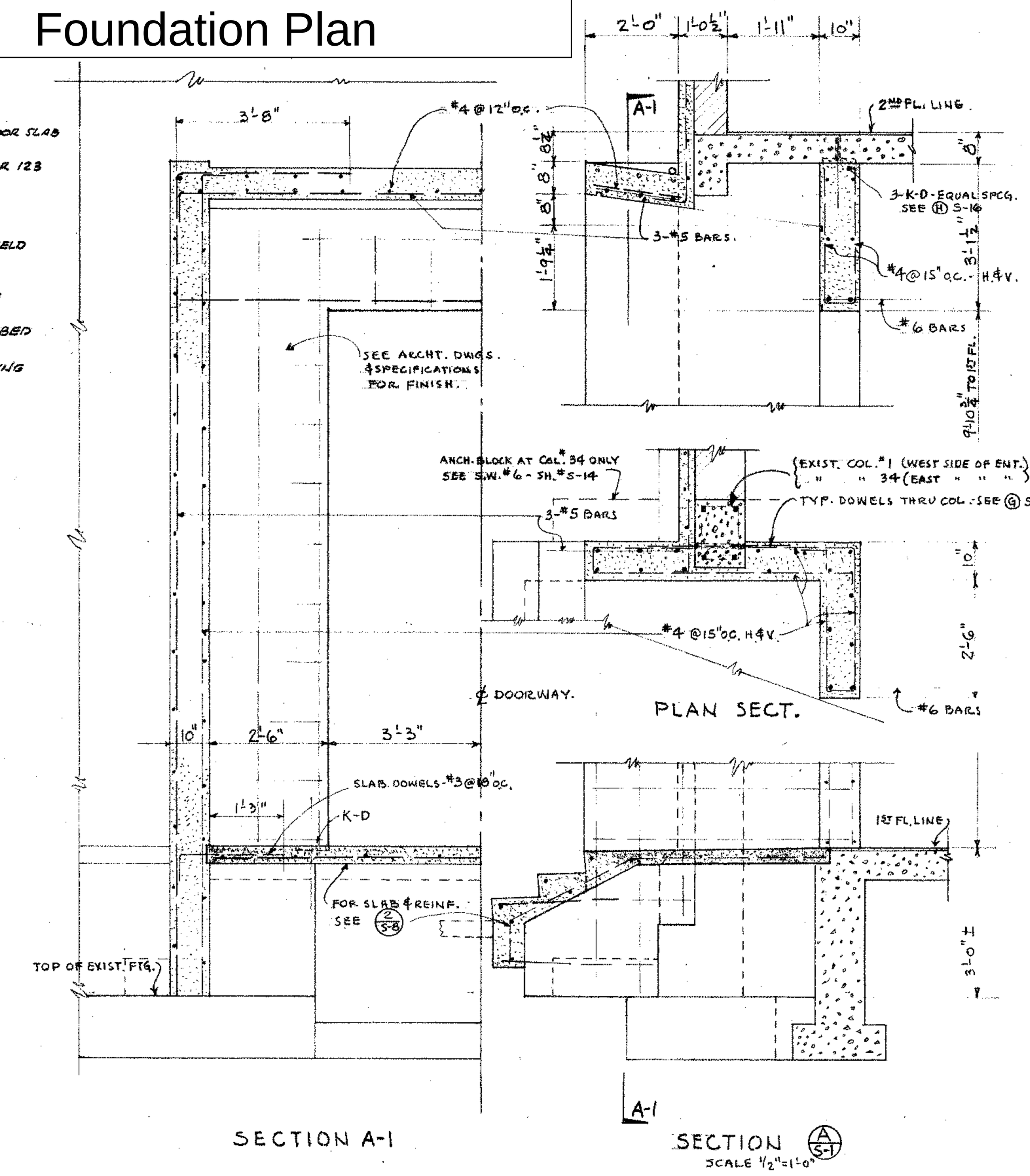
BEFORE APPLYING REINFORCEMENT TO BEAMS THE EXISTING MATERIALS TO BE REMOVED SHALL BE REMOVED AND THE FOLLOWING LOADS APPLIED TO THE UNDERSIDE OF THE BEAM BY MEANS OF A CALIBRATED JACK.

BM. MK.	STORY	JACK LOAD IN POUNDS AT MID-SPAN					
304	SECOND	8000					
305	SECOND		12000				
321	SECOND			8000			
322	SECOND				12000		
325	SECOND					13000	
326	SECOND						13000
204	FIRST	12000					
205	FIRST		12000				
220	FIRST			12000			
222	FIRST				12000		
224	FIRST					13000	
225	FIRST						13000
TOTAL		20000	24000	20000	24000	26000	26000

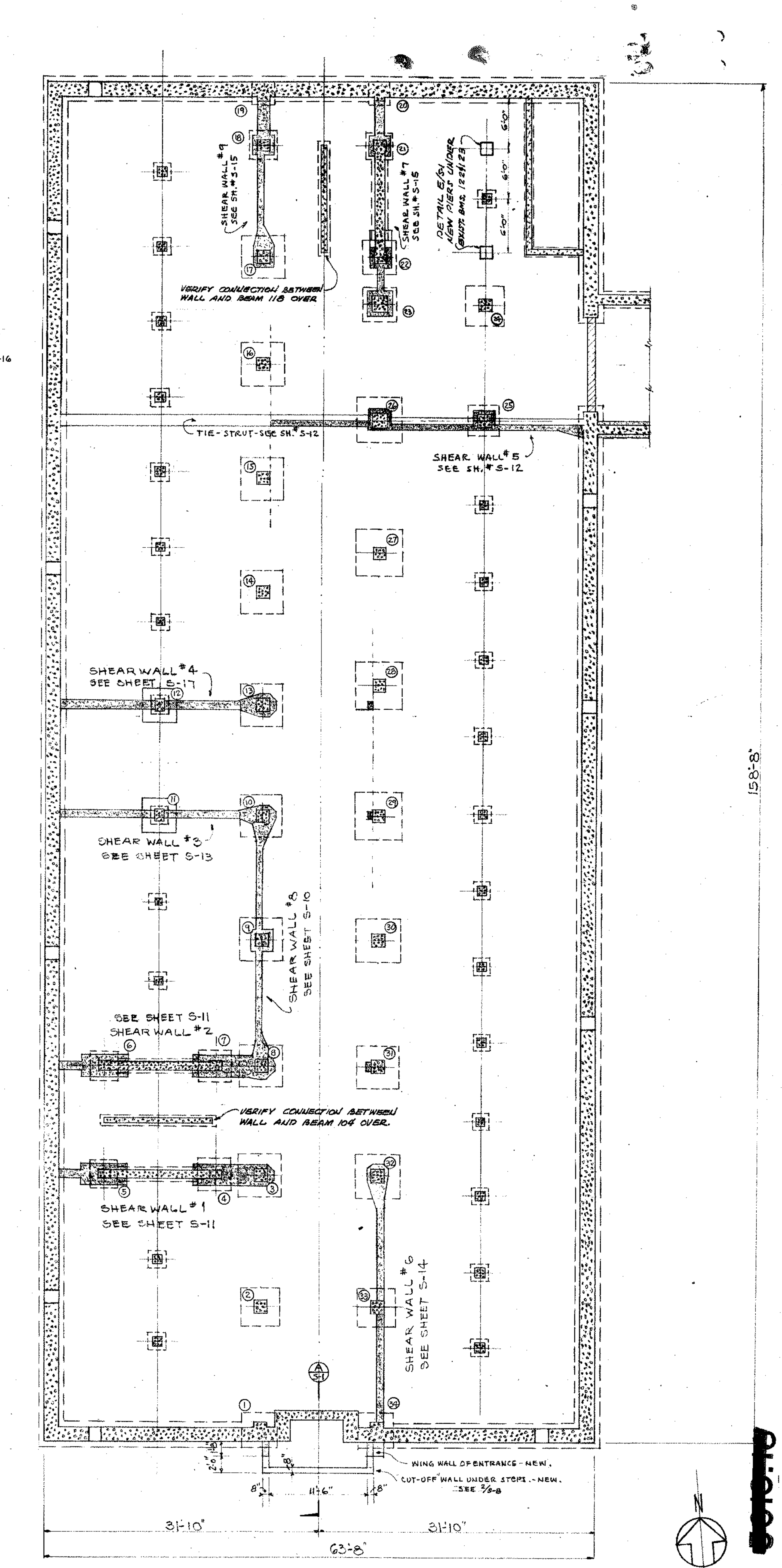
THE WEIGHT OF THE SHORES ARE NOT INCLUDED.

JACKING PROCEDURE:
1. INSTALL NONYIELDING SHORES IN 2ND STORY, I.E. FROM TOP OF BEAM 204 TO SOFFIT OF BEAM 304, ETC.
2. INSTALL JACKS IN 1ST STORY - WITH SUPPORTS TO THE EARTH BELOW - AND APPLY PRESSURE TO DEVELOP THE LOADS GIVEN IN SCHEDULE. THIS PRESSURE MUST BE MAINTAINED THROUGHOUT THE OPERATION AND UNTIL THE GUNITE HAS DEVELOPED FULL SPECIFIED STRENGTH.
3. PREPARE THE CONTACT SURFACES, DRILL NECESSARY HOLES, INSTALL REINFORCING BARS AND APPLY THE GUNITE.





DETAILS OF SOUTH ENTRANCE



FOOTING PLAN
SCALE - 1/8" = 1'-0"

LEGEND
1. EXISTING CONCRETE
2. NEW CONCRETE
3. GUNITE
4. EXISTING BRICK

AS BUILT PLANS
DATE SEP - 1959

EARL L. HOLMBERG ELECTRICAL ENGINEER & ASSOCIATES 2525 HYPERION AVENUE LOS ANGELES 27, CALIFORNIA	J. E. KISKIS MECHANICAL ENGINEER 542 SO. BROADWAY LOS ANGELES 13, CALIFORNIA	GEORGE M. LINDSEY ROBERT M. LINDSEY ARCHITECTS A. I. A. 6311 NORTH FIGUEROA STREET LOS ANGELES 42, CALIFORNIA	J. G. MIDDLETON STRUCTURAL ENGINEER 6311 NORTH FIGUEROA STREET LOS ANGELES 42, CALIFORNIA	JAMES A. GARFIELD HIGH SCHOOL 5101 EAST SIXTH STREET LOS ANGELES 22, CALIFORNIA PLANS PREPARED FOR THE BOARD OF EDUCATION LOS ANGELES CITY HIGH SCHOOL DISTRICT	REVISIONS	FOOTING PLAN & ENTRANCE DETAILS JOB NO. 253 SHEET NO. S-1 STRENGTHENING AND MODERNIZATION OF CLASSROOM BUILDING 'A' DRAWN H.G.G. CHECKED T.G.M.

8679-16

Building B
Foundation Plan

Note:
LEAVE JOINT IN CONCRETE FOR FUTURE BOILER ENTRANCE SEE HEATING CONTRACTOR

NOTE
SEE HEATING PLAN FOR SIZES & CORRECT LOCATIONS OF DUCT OPENINGS

Footing 2'-0" x 1'-0"

SECTION H-H
SCALE 1/4"=1'-0"

SECTION I-I
SCALE 1/4"=1'-0"

SECTION J-J
SCALE 1/4"=1'-0"

SECTION K-K
SCALE 1/4"=1'-0"

SECTION M-M
SCALE 1/4"=1'-0"

SECTION N-N
SCALE 1/4"=1'-0"

SECTION A-A

SECTION B-B

SECTION C-C

SECTION D-D

SECTION E-E

SECTION F-F
SCALE 1/4"=1'-0"

SECTION G-G

NOTE
ALL REINFORCING SHOWN IN FOOTING TO BE 1/2 F BARS

TYPICAL FOOTING
SCALE 1/4"=1'-0"

PIER 3-A

NOTE
ALL FOOTINGS TO BE AT LEAST 18" BELOW NATURAL GRADE

SOIL BEARING VALUE 4000#

FOUNDATION & FIRST FLOOR FRAMING PLAN
SCALE 1/8"=1'-0"

BUILDING "B"

APPROVED
Superintendent of Schools

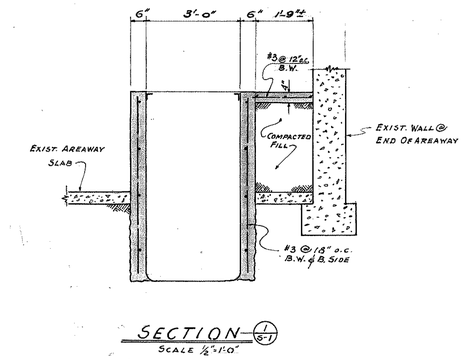
Approved

Supervising Architect

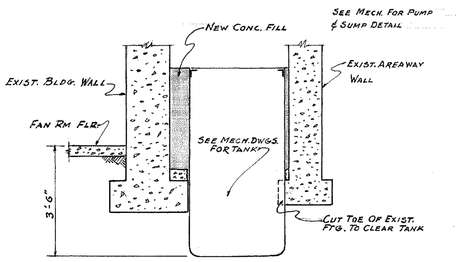
JAMES A. GARFIELD HIGH SCHOOL EAST SIXTH STREET BETWEEN FRASHER & FRANCIS AVES. BELVEDERE GARDENS, CAL.	DATE 12-6-28 REV. 12-24-28 DRWN. TRACED CHKD.
PLANS PREPARED FOR BOARD OF EDUCATION LOS ANGELES CITY HIGH SCHOOL DISTRICT	JOB NO. 250
GEORGE M. LINDSEY ARCHITECT 325-31 HOMER LAUGHLIN BLDG LOS ANGELES, CAL.	SHEET NO. S-4

8419.03

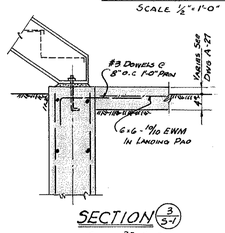
Building B
Foundation Plan



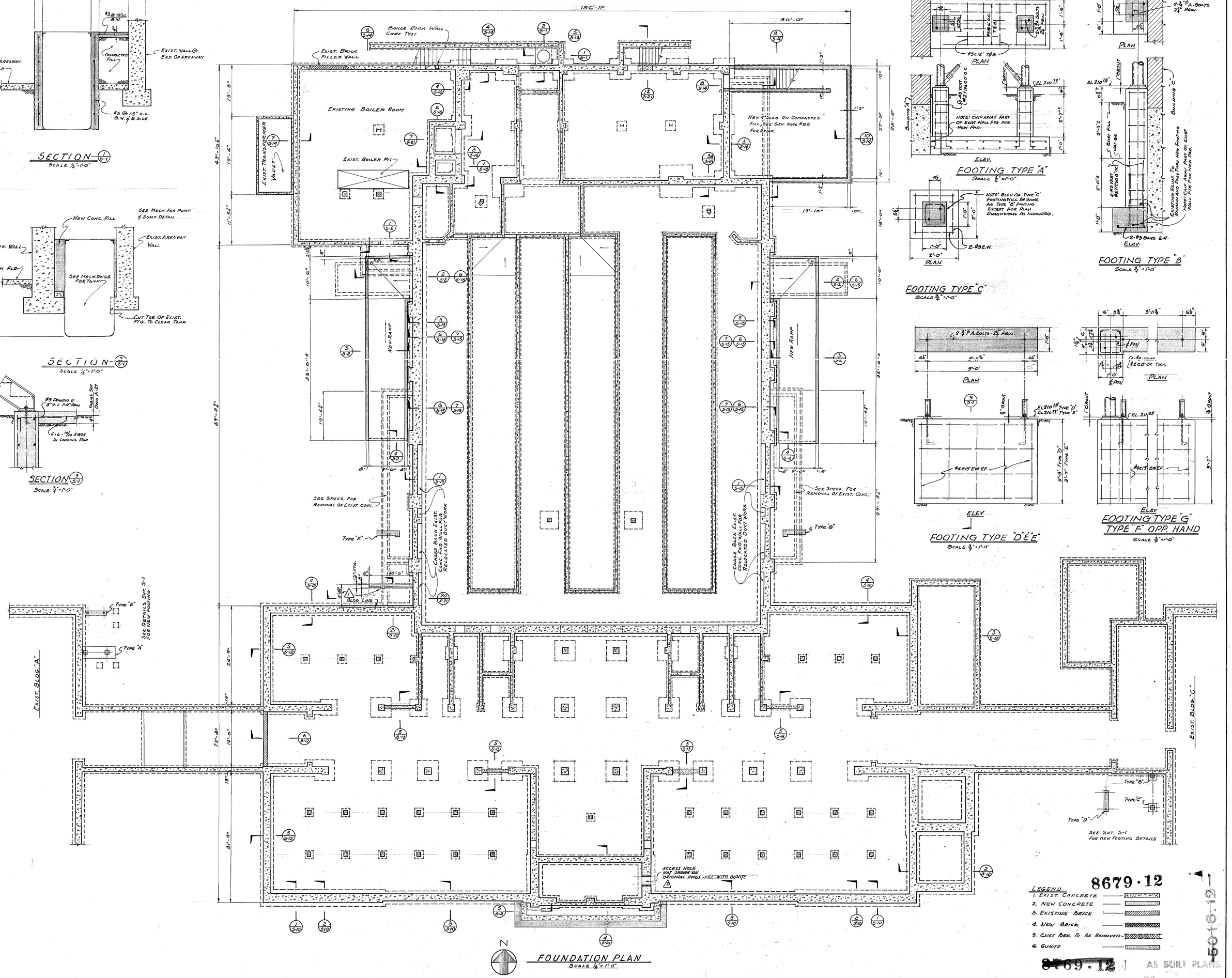
SECTION 1/S-1
SCALE ½"=1'-0"



SECTION 2/S-1
SCALE ½"=1'-0"

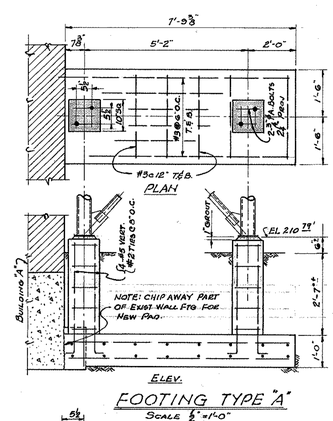


SECTION 3/S-1
SCALE ¾"=1'-0"



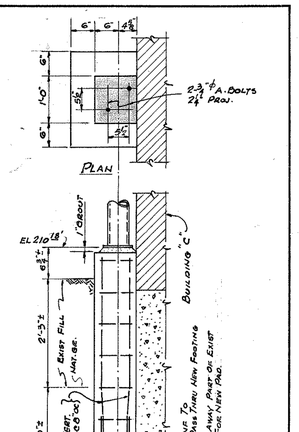
N

FOUNDATION PLAN
SCALE ⅛"=1'-0"



FOOTING TYPE "A"
SCALE ¾"=1'-0"

FOOTING TYPE "C"
SCALE ¾"=1'-0"



FOOTING TYPE "B"
SCALE ¾"=1'-0"

FOOTING TYPE "D" "E"
SCALE ¾"=1'-0"

FOOTING TYPE "G" TYPE "F" OPP. HAND
SCALE ¾"=1'-0"

LEGEND
1. EXIST. CONCRETE
2. NEW CONCRETE
3. EXISTING BRICK
4. NEW BRICK
5. EXIST. BRK. TO BE REMOVED
6. GUNITE

8679·12

~~8769·12~~ AS BUILT PLANS

FOR GENERAL NOTES & TYPICAL DETAILS, SEE SHEET S-22.

HARRY M. GAILEY
ELECTRICAL ENGINEER
3806 BEVERLY BOULEVARD
LOS ANGELES 4, CALIFORNIA

O. W. OTT – J. E. KISKIS
MECHANICAL ENGINEERS
BROADWAY ARCADE BUILDING
LOS ANGELES 13, CALIFORNIA

GEORGE M. LINDSEY ARCHITECTS
ROBERT M. LINDSEY A. I. A.
6311 NORTH FIGUEROA STREET
LOS ANGELES 42, CALIFORNIA

J. G. MIDDLETON STRUCTURAL ENGINEER
6311 NORTH FIGUEROA STREET
LOS ANGELES 42, CALIFORNIA

JAMES A. GARFIELD HIGH SCHOOL
5101 EAST SIXTH STREET
LOS ANGELES 22, CALIFORNIA
PLANS PREPARED FOR THE BOARD OF EDUCATION
LOS ANGELES CITY HIGH SCHOOL DISTRICT

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE

APPLICATION NUMBER	APPROVED
11751	JUL 22 1954 E. Meaney SUPERVISING STRUCTURAL ENGINEER

REVISIONS	
1	C.O.9 12A-2 DEC. 1955 3/5/21
2	C.O.12 RS-16 DEC 1955

JOB NO.	SHEET NO.
226	S-1

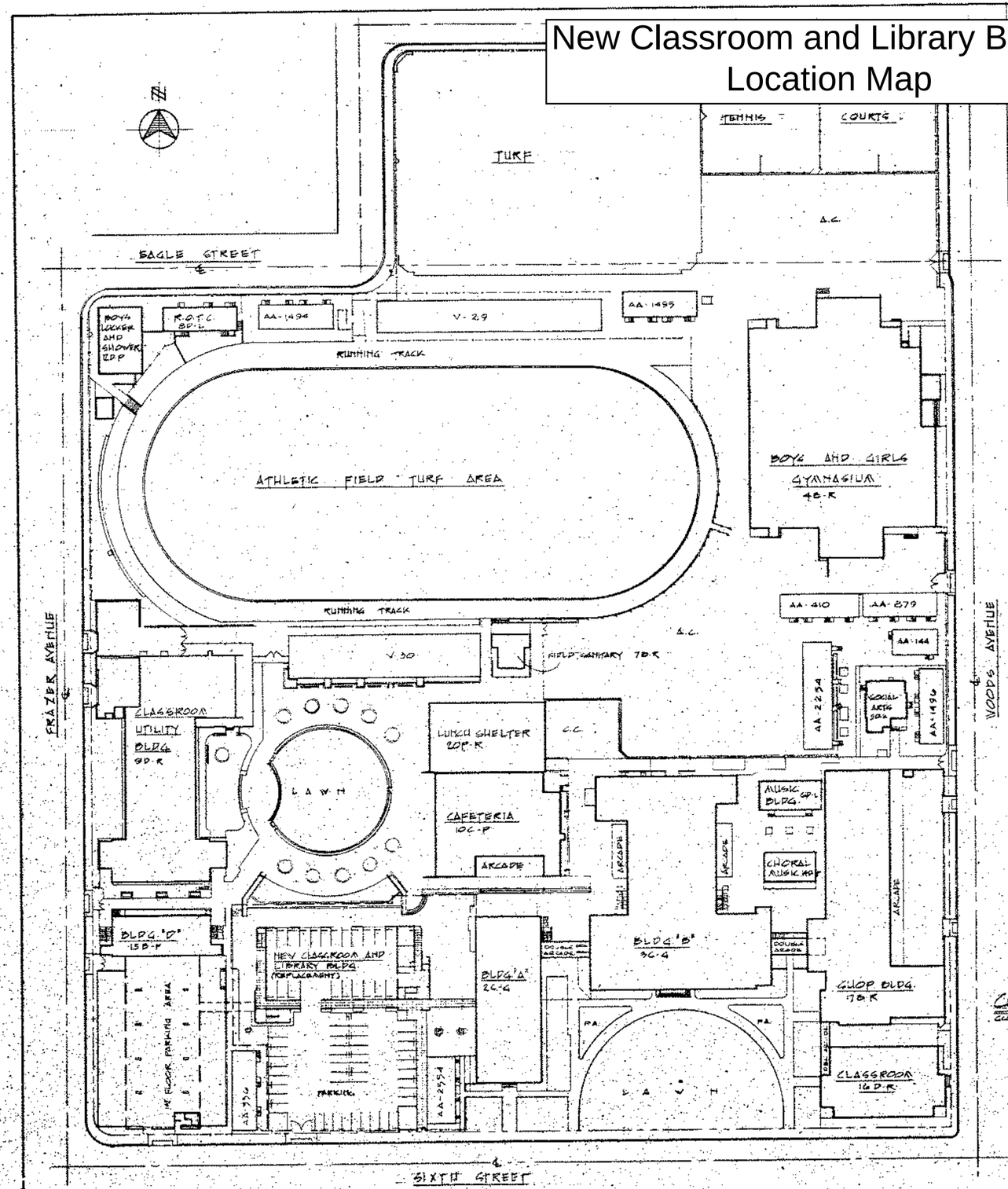
FOUNDATION PLAN

STRENGTHENING AND MODERNIZATION OF MAIN AND AUDITORIUM BUILDING 'B'

DRAWN J.R.S.
CHECKED J.J.H.
DATE JUL 1954

ES-1A

New Classroom and Library Building
Location Map



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C-3	GRADING PLAN
C-4	PAVING PLAN
C-5	LOG OF BORINGS
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A-6	ELEVATIONS AND LONGITUDINAL SECTION
A-7	DOOR & WINDOW SCHEDULES, TYPES, & DETAILS
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E-7	THIRD FLOOR POWER & COMMUNICATION PLAN

BUILDING LEGEND

- NEW CLASSROOM AND LIBRARY BLDG.
- EXISTING BUILDINGS

CODE DATA

CLASSIFICATION - TYPE "2"
OCCUPANCY C-1

GENERAL NOTES:

1. ALL EXISTING SURFACES AFFECTED BY NEW WORK SHALL BE FINISHED TO MATCH SAME
2. TAKE CARE NOT TO DISRUPT EXISTING UNDERGROUND SERVICES DURING EXCAVATION. IF DAMAGE OCCURS, REPAIR IMMEDIATELY
3. INSTALLATION OF CEILINGS SHALL NOT BE STARTED UNTIL DETAIL PLANS, SPECIFICATIONS AND ENGINEERING CALCULATIONS HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE OFFICE OF ARCHITECTURE AND CONSTRUCTION.

WALL SYMBOLS

- CONCRETE BLOCK WALL
- 4" METAL STUD WALL UNLESS OTHERWISE NOTED. - 16" O.C.

GENERAL PLOT PLAN

SCALE: 1"=50'

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
BY

APPROVED SEP 4 1974

"AS BUILT"

REVISIONS	
O.A.C.	
APPROVED: STATE FIRE MARSHAL, STATE OF CALIFORNIA	DATE: BY:

E. J. SAMANIEGO & ASSOCIATES
ARCHITECTS AND ENGINEERS
1930 WEST NINTH ST., LOS ANGELES 15, CALIF. - 385-3263
E. J. Samaniego C361 DATE April 9, 1974
ARCHITECT

CONSULTANTS
STRUCTURAL MACRIS ASSOCIATES
MECHANICAL ASSOCIATED CONSULTING ENGRS.
ELECTRICAL CARLOS RODRIGUEZ & ASSOC.
CIVIL
LANDSCAPING

GENERAL PLOT PLAN - INDEX

NEW CLASSROOM AND LIBRARY BUILDING (REPLACEMENT)
JAMES A. GARFIELD HIGH SCHOOL
5101 EAST SOUTH ST., LOS ANGELES, CALIF. 90022

DRAWN PG, BA-G | SCALE 1"=50' | JOB NO. 6594 | DATE 9-6-74 | SHEET NO. 2 OF 4 SHEETS

PREPARED FOR
THE BOARD OF EDUCATION
LOS ANGELES CITY UNIFIED SCHOOL DISTRICT

8679-28

New Classroom and Library Building
Foundation Plan

FOOTING AND COLUMN SCHEDULE

MARK No.	FOOTINGS SIZE (W × L)	T	REINFG.	COLUMNS SIZE	BASE R	L BOLTS	DETAIL	REMARKS
1	11'-0" × 11'-0"	22"	14-#7 E.W.	24"ϕ CONC.		8-#5 VERT.		
2	8'-0" × 8'-0"	16"	11-#6 E.W.	16" × 16" PILASTER		4-#9 VERT. TIE TO 1ST PCN. 4-#5 @ FROM 2" TO SLAB		
3	9'-0" × 9'-0"	18"	13-#6 E.W.	16" × 16" PILASTER		4-#10 VERT. TIE TO 2ND P.C. 4-#5 @ FROM 2" TO SLAB FL.		
4	6'-0" × 6'-0"	12"	6-#5 E.W.	16" × 16" PILASTER		4-#5 VERT.		
5	SEE PLAN	SEE PLAN	SEE PLAN	16" × 16" PILASTER		4-#5 VERT.		
6	SEE PLAN	SEE PLAN	SEE PLAN	16" × 16" PILASTER		4-#6 VERT.		
7	6'-0" × 6'-0"	12"	6-#5 E.W.	SEE BLDG. ELEV. 1/4-6				

4 TYP. PILASTER PLAN DET. 1/2" = 1'-0"

3 COL. PLAN DET. NOT TO SCALE

2 TYP. FTG. DETAIL NOT TO SCALE

1 TYP. FTG. DETAIL NOT TO SCALE

5 TYP. BLK. WALL SECT. NOT TO SCALE

FOUNDATION PLAN 1/8" = 1'-0"

PARKING AREA
6" CONC. SLAB ON GRADE W/#5 BARS @ 24" O.C. EA. WAY

"AS BUILT"

NOTES:
1. FOR GENERAL NOTES SEE SHT. S-1
2. FOR FLOOR DRAINS, DEPRESSIONS, FINISHES, ETC. SEE ARCH'L., MECH'L., PLUMBING & ELECT'L. PLANS.
3. SEE DET. 4/S-1 FOR SOIL PREPARATION. NOTE PREPARATION UNDER FTGS. 1, 2, 3, & 7.
4. SEE SOIL REPORT FOR ALLOWABLE PRESSURES.
5. SEE GENERAL NOTES SHT. S-1 FOR MATERIAL STRENGTHS
6. ALL MASONRY WALLS 8" UNLESS NOTED 12"

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES — DIVISION OF ARCHITECTURE
3798.2 APPROVED SEP 1 1976
DSA

REVISIONS	
	D.S.A.

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE:
BY:

E. J. SAMANIEGO & ASSOCIATES
ARCHITECTS AND ENGINEERS
1739 WEST NINTH ST., LOS ANGELES 15, CALIF. 385-2366
ARCHITECT E.J. Samaniego ESE1 DATE March 9, 1976
CONSULTANTS
STRUCTURAL — MACRIS ASSOCIATES
MECHANICAL — ASSOCIATED CONSULTING ENGRS.
ELECTRICAL — CARLOS RODRIGUE & ASSOC.
CIVIL — B. I. ENGINEERING INC.
LANDSCAPING
L.O. Machel SE1526

FOUNDATION PLAN

NEW CLASSROOM AND LIBRARY BUILDING (REPLACEMENT)
JAMES A. GARFIELD HIGH SCHOOL
5101 EAST NINTH ST., LOS ANGELES, CALIF. 90022

DRAWN: S.G. | SCALE: NOTED
JOB NO.: 659-A 80/5 | DATE: 9-12-74
SHEET NO.: S-1 OF 8 SHEETS

PREPARED FOR
THE BOARD OF EDUCATION
LOS ANGELES UNIFIED SCHOOL DISTRICT

44

8679.28

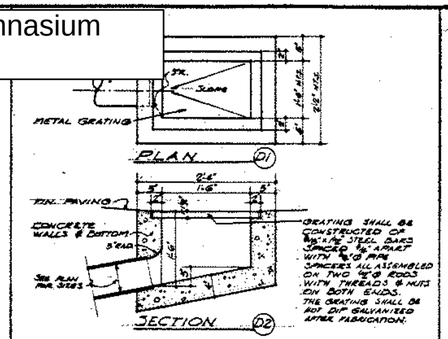
New Girls' and Boys' Gymnasium
Location Map

GENERAL NOTES

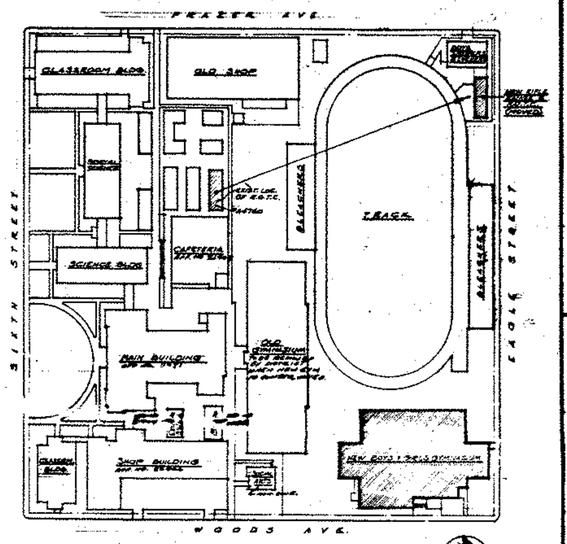
1. THE CONTRACTOR SHALL REPAIR ANY & ALL EXISTING SURFACES WHICH ARE REMOVED, CUT ETC. TO ALLOW FOR INSTALLATION OF HIS (THE CONTRACTORS) WORK OR WHICH HAVE BEEN DAMAGED DUE TO WORKMEN, EQUIPMENT, STORAGE OF MATERIALS AND/OR BY GENERAL CONSTRUCTION OPERATIONS. THE FINISHED REPAIRED SURFACES ARE TO MATCH ADJACENT SURROUND. MATERIALS IN TEXTURE, FINISH, CONSTRUCTION & MATERIAL.
2. THE EXISTING CONTOURS & GRADE ELEVS. ARE TAKEN FROM L.A. UNIFIED SCHOOL DISTRICT DRAWINGS No.1 - DATED 5-8-65, No.1 - DATED FEB. 1965 & 100 N. SCALE, MAY 1967.
3. THE PROPERTY LINE BEARINGS TAKEN FROM THE SURVEY OF SITE BY H. E. EAGLE, LICENCED SURVEYOR, DATED JULY 1966.
4. PARKING PRIVILEGES BEYOND THE CONTRACTORS BARRICADES ARE LIMITED TO THE SURROUNDING STREETS, NO PARKING OR ANY VEHICLE, CONTRACTORS OR WORKMENS, IS PERMITTED ON THE SCHOOL GROUNDS.
5. CONTRACTOR SHALL PROTECT EXISTING LAWN OR SHRUB SPRINKLER SYSTEM
6. EXISTING CLEAN-OUTS, YARD BOXES ETC. WHICH OCCUR WITHIN THE AREA TO BE GRADED AND/OR PAVED, SHALL BE RAISED OR LOWERED TO SUIT THE NEW GRADES
7. ALL ACTIVE PIPES, CONDUITS & OTHER SERVICE LINES (NOT INDICATED TO BE REMOVED OR ABANDONED ON THE PLANS) DAMAGED OR DISCONNECTED BY THE CONTRACTOR, DURING CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED TO THE DISTRICTS SATISFACTION TO KEEP THE EXISTING PLANT IN OPERATION.
8. ALL EXTERIOR CONCRETE PAVING SHALL HAVE A BROOM FINISH TO MATCH SAMPLE SUPPLIED BY THE DISTRICTS BUILDING INSPECTOR.
9. ALL PIPES, CONDUITS & OTHER OBJECTS DISCOVERED DURING EXCAVATION OR GRADING SHALL BE REMOVED, IF INACTIVE AND PROTECTED, IF ACTIVE WHETHER INDICATED ON PLANS OR NOT.
10. SEE MECHANICAL, PALUMBING, ELECT. AND LANDSCAPING PLOT PLANS FOR LOCATIONS OF ALL NEW SERVICES, YARD BOXES ETC.
11. WHERE NEW REDWOOD HEADER IS INDICATED TO BE INSTALLED AT THE EXISTING TRACE, IT SHALL BE PLACED DIRECTLY UNDER THE EXISTING FENCE AT THE ELEVATION SHOWN THE FENCE SHALL BE RE-KNUCKLED.

PROPERTY LINE		PLANTING AREA	P.A.
CENTER LINE		TOP OF WALL	T.W.
PRESENT GRADE CONTOURS		TOP OF HEADER	T.H.
FINISH GRADE CONTOURS		TOP OF CURB OR CONCRETE	T.C.
RIDGE LINE		ASPHALTIC CONCRETE	A.C.
EXISTING FENCE TO REMAIN		CHAIN LINK FENCE	C.L.F.
EXISTING FENCE TO BE REMOVED		POWER POLE	P.P.
NEW OR RELOCATED FENCE		MANHOLE	M.H.
FLOW LINE		YARD BOX	Y.B.
GRADING LIMITS		WATER METER	W.M.
WATER LINE		GAS METER	G.M.
GAS LINE		CLEAN OUT "Y" AT SURFACE	C.O.Y.
DRAIN LINE		CLEAN OUT	C.O.
SEWER LINE		FIRE HYDRANT	F.H.
ELECTRICAL CONDUITS		VITRIFIED CLAY PIPE	V.C.P.
CONSTRUCTION BARRICADES		CAST IRON PIPE	C.I.P.
EXISTING ELEVATIONS	(000.00) OR (000.00)	CATCH BASIN	C.B.
NEW ELEVATIONS	000.00 OR 000.00	EXISTING CATCH BASIN	E.C.B.
		INVERT	INV.
NEW ASPHALTIC CONCRETE		RED WOOD HEADER	R.W.H.
REMOVE EXISTING A.C.			
REMOVE & REPLACE EXIST. A.C.			
NEW CEMENT CONCRETE			
REMOVE EXIST. CEM. CONCRETE			
REMOVE & REPLACE EXIST. CEM. CONC.			

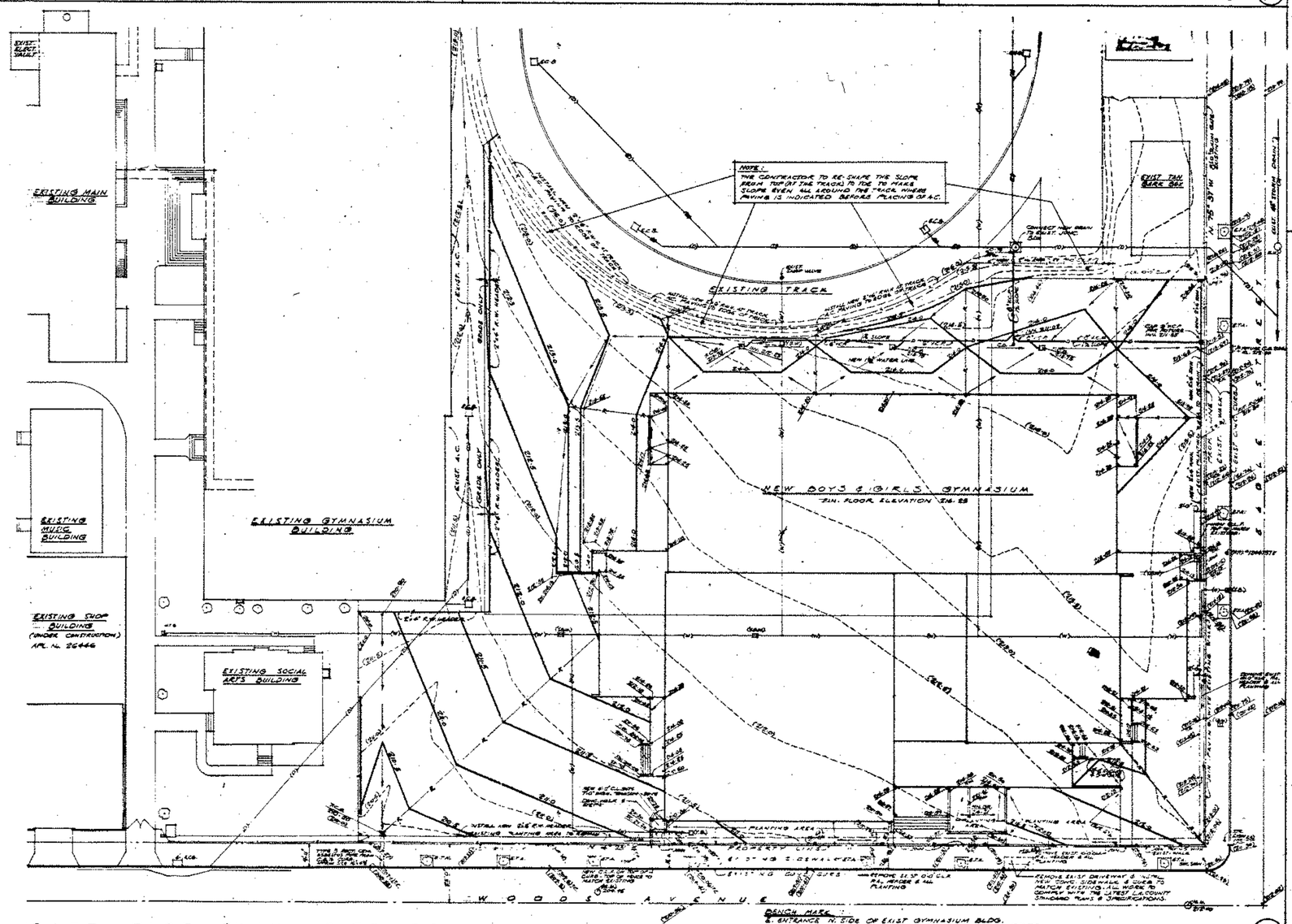
IF ANY 3RD NO. LETTERS OR NUMBERS ARE IN BRACKETS IT INDICATES THAT THE ITEM IS EXISTING



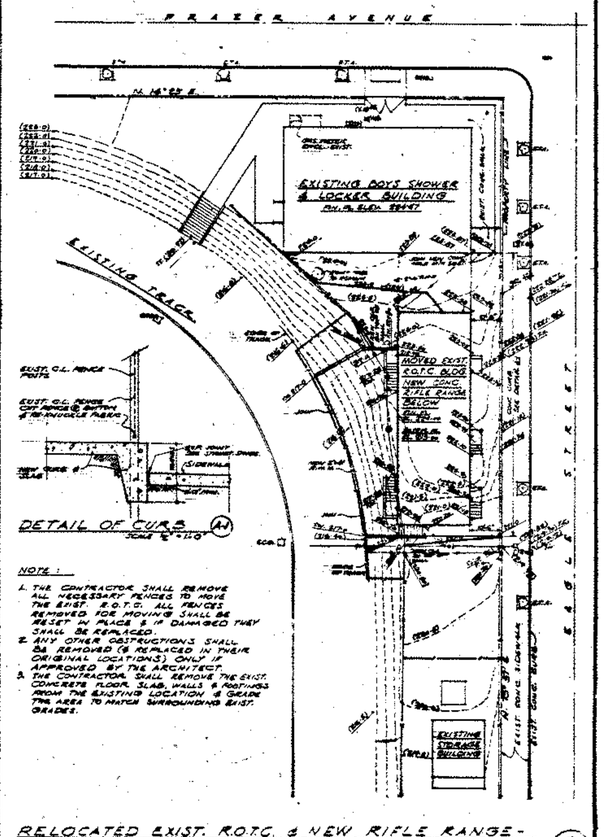
CATCH BASIN — SCALE 1"=1'0" (D)



SITE LOCATION PLAN — NOT TO SCALE (C)



PART PLOT PLAN, SITE GRADING & DRAINAGE (B)



DETAIL OF CURB (H)

NOTE:
1. THE CONTRACTOR SHALL REMOVE ALL NECESSARY FENCES TO MOVE THE EXIST. R.O.T.C. ALL FENCES REMOVED FOR MOVING SHALL BE RESET IN PLACE IF DAMAGED THEY SHALL BE REPLACED.
2. ANY OTHER OBSTRUCTIONS SHALL BE REMOVED (& REPLACED IN THEIR ORIGINAL LOCATIONS) ONLY IF APPROVED BY THE ARCHITECT.
3. THE CONTRACTOR SHALL REMOVE THE EXIST. CONCRETE FLOOR SLAB, WALLS & FOOTINGS FROM THE EXISTING LOCATION & GRADE THE AREA TO MATCH SURROUNDING EXIST. GRADES.

RELOCATED EXIST. R.O.T.C. & NEW RIFLE RANGE - PART PLOT PLAN, SITE GRADING & DRAINAGE — SCALE: 1"= 20'-0" (A)

AS BUILT OCT 30 1967

NO.	DATE	REVISION	BY	CK.

APPROVED STATE FIRE MARSHAL STATE OF CALIFORNIA DATE APR 11 1966

DSA 27088 APPROVED APR 11 1966 by Bill Hamilton

SUBMITTED BY: ESC. NO. C-270 ARCHITECT

DRAWN BY: O.Q.
CHECKED BY: SSC
DATE: APR 11 1966

PLOT PLAN & DETAILS

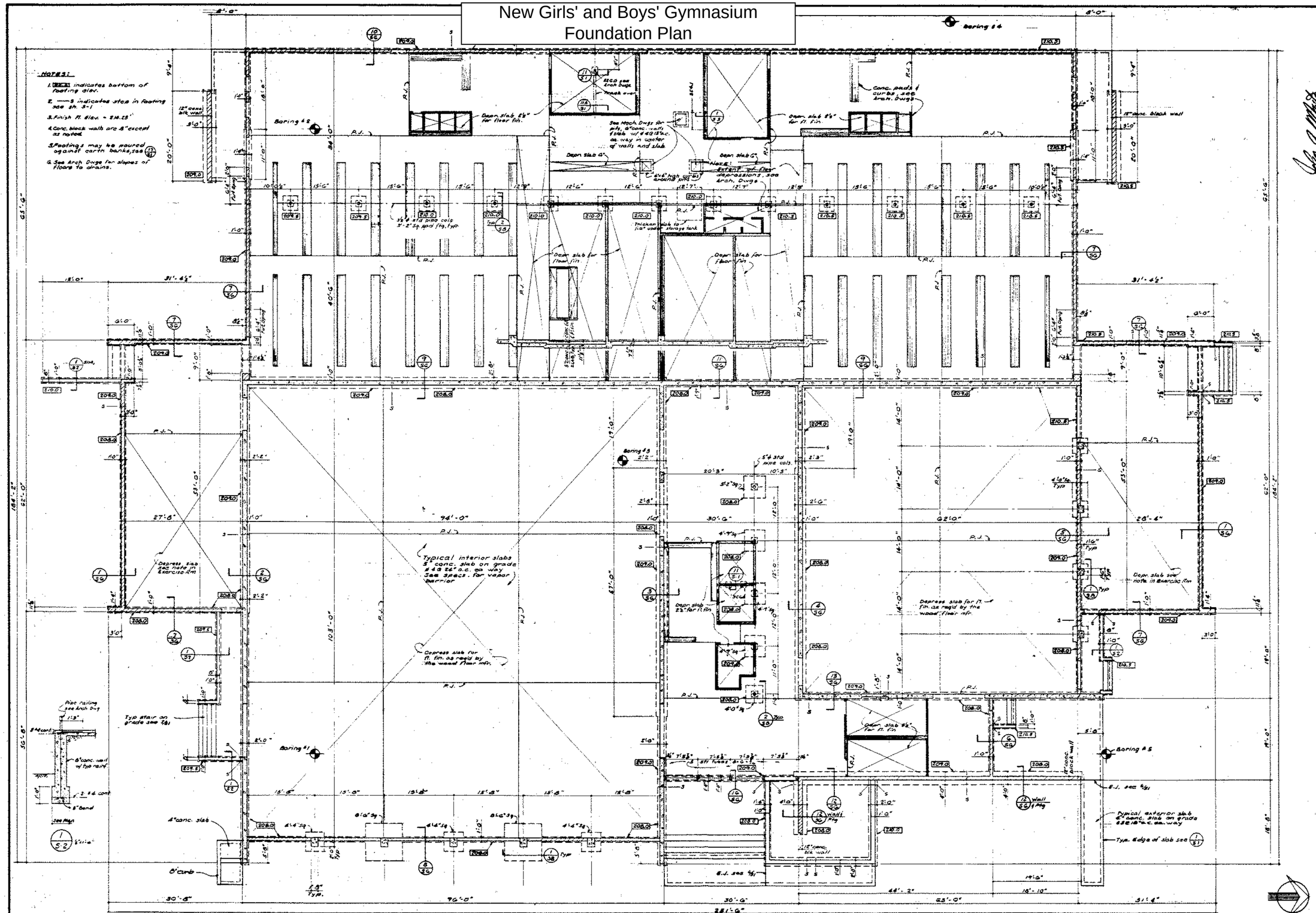
NEW BOYS AND GIRLS GYMNASIUM (ESTABLISHMENT)
JAMES A. GARFIELD HIGH SCHOOL
5101 E. 6TH STREET, LOS ANGELES 22, CALIFORNIA
PREPARED FOR THE
BOARD OF EDUCATION
LOS ANGELES UNIFIED SCHOOL DISTRICT

A-2
2 OF 44
JOB NUMBER 65ar

STEWART E. GRANGER AND ASSOCIATES
ARCHITECTS ENGINEERS PLANNERS
LOS ANGELES CALIFORNIA

8679.21

New Girls' and Boys' Gymnasium
Foundation Plan



NO.	DATE	REVISION	BY	CK.
1	AS BUILT OCT 30 1967			

NO.	DATE	REVISION	BY	CK.

27088 APPROVED

SUBMITTED BY:

REG. NO. C 578 ARCHITECT

DRAWN BY:

CHECKED BY:

DATE APR 11 1966

FOUNDATION PLAN

NEW BOYS AND GIRLS GYMNASIUM (REPLACEMENT)
JAMES A. GARFIELD HIGH SCHOOL
5101 E. 6th STREET, LOS ANGELES 22, CALIFORNIA
PREPARED FOR THE
BOARD OF EDUCATION
LOS ANGELES UNIFIED SCHOOL DISTRICT

S-2
210 of 44
JOB NUMBER 6501

STRUCTURAL ENGINEERS
JOHN A. MARTIN & ASSOCIATES
1320 WILSHIRE BOULEVARD
LOS ANGELES 17—HUBBARD 3-6464

AIA

ARCHITECTS ENGINEERS PLANNERS
LOS ANGELES CALIFORNIA

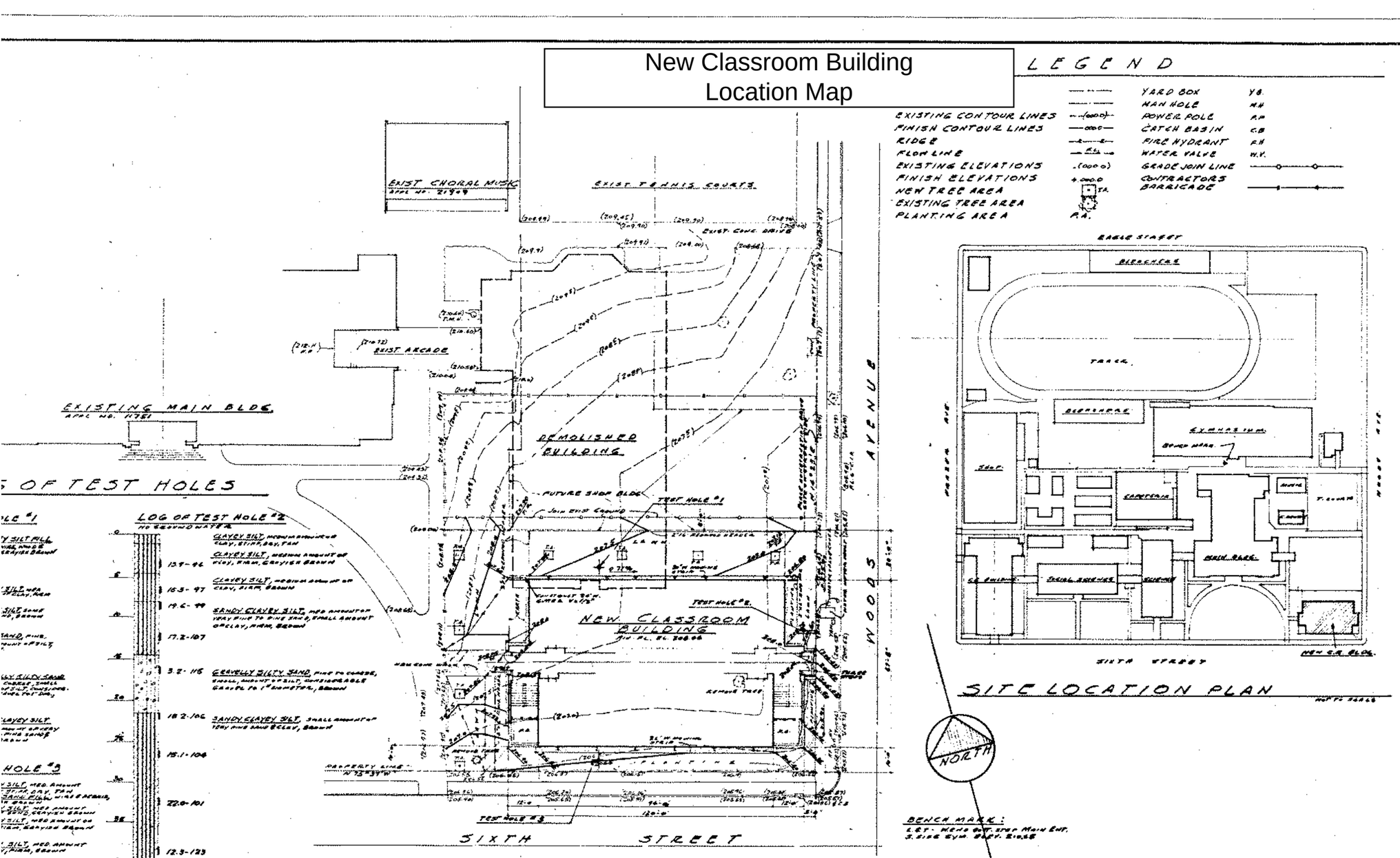
RENGSTORFF & HAVENS

8679.21

New Classroom Building
Location Map

LEGEND

EXISTING CONTOUR LINES		YARD BOX	Y.B.
FINISH CONTOUR LINES		MAN HOLE	M.H.
RIDGE		POWER POLE	P.P.
FLOW LINE		CATCH BASIN	C.B.
EXISTING ELEVATIONS	(0000)	FIRE HYDRANT	F.H.
FINISH ELEVATIONS	+000.0	WATER VALVE	W.V.
NEW TREE AREA		GRADE JOIN LINE	
EXISTING TREE AREA		CONTRACTORS BARRICADE	
PLANTING AREA	P.A.		



PARTIAL PLOT & SITE GRADING PLAN

SCALE 1" = 20'-0"

LOG OF TEST HOLES

LOG OF TEST HOLE #1

LOG OF TEST HOLE #2

NO GROUND WATER

0		CLAYEY SILT, MEDIUM AMOUNT OF CLAY, STIFF, DRY, TAN
5	134-96	CLAYEY SILT, MEDIUM AMOUNT OF FINE SAND, GRAYISH BROWN
10	163-97	CLAYEY SILT, MEDIUM AMOUNT OF CLAY, FIRM, BROWN
15	19.6-99	SANDY CLAYEY SILT, MED AMOUNT OF VERY FINE TO FINE SAND, SMALL AMOUNT OF CLAY, FIRM, BROWN
	17.2-107	
25	3.2-115	GRAVELLY SILTY SAND, FINE TO COARSE, SUBROUNDED, AMOUNT OF SILT, MOISTURE ABLE GRAVEL TO 1" DIAMETER, BROWN
30	18.2-106	SANDY CLAYEY SILT, SMALL AMOUNT OF VERY FINE SAND, DRY, BROWN
35	15.1-104	
40	22.6-101	
45	12.3-123	
	12.5-121	MEDIUM AMOUNT OF CLAY WITH SOME FINE GRAVEL FROM 42 FOOT TO 45 FEET

LOG OF TEST HOLE #3

...SILT, MED. AMOUNT OF FINE SAND, DRY, TAN
...SILT, MED AMOUNT OF CLAY, GRAYISH BROWN
...SILT, MED AMOUNT OF CLAY, STIFF, BROWN
...SILT, MED. AMOUNT OF FINE SAND, BROWN
...CLAY, STIFF, BROWN
...SILT, LOOSE AMOUNT OF FINE SAND, BROWN
...NON-PLASTIC, BROWN

...OR HOLES TAKEN FROM FOUNDATION INVESTIGATION BY ...EVANS, INC. - FOUNDATION ENGINEERS, DATED OCT 29, 1964 ...COPY OF THE FOUNDATION INVESTIGATION IS ON FILE AT ...E ARCHITECT'S OFFICE AND AVAILABLE FOR THE CONTRACTOR'S PERUSAL.

SITE LOCATION PLAN

NOT TO SCALE

NORTH

BENCH MARK:
L.E.T. - MONUMENT STA. MAIN ENT.
S. SIDE GYM. EL. 210.68

GENERAL NOTES:

1. CONTRACTOR TO REPAIR ANY ALL EXISTING SURFACES WHICH ARE REMOVED, CUT, ETC. TO ALLOW FOR INSTALLATION OF HIS (THE CONTRACTOR'S) WORK OR WHICH HAVE BEEN DAMAGED DUE TO WORKMEN, EQUIPMENT, STORAGE OF MATERIALS, AND/OR BY GENERAL CONSTRUCTION OPERATIONS. FINISHED REPAIRED SURFACES ARE TO MATCH EXISTING ADJACENT SURROUNDING MATERIALS IN TEXTURE, MATERIAL, FINISH, AND CONSTRUCTION.
2. EXISTING CONTOURS ARE TAKEN FROM L.A. UNIFIED SCHOOL DISTRICT DRAWING "C-1 DATED 5-4-64, FOR THIS SITE
3. PROPERTY LINE BEARINGS TAKEN FROM SURVEY DRAWN BY E.H. EGGLE, LICENSED SURVEYOR, DATED JULY, 1964
4. PARKING FACILITIES BEYOND THE CONTRACTOR'S BARRICADES ARE LIMITED TO THE SURROUNDING STREETS. NO PARKING OF ANY VEHICLE, CONTRACTORS OR WORKMEN'S, IS PERMITTED ON THE SCHOOL GROUNDS.

...VISION | BY | CK.

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES
OFFICE OF ARCHITECTURE AND CONSTRUCTION
25466 APPROVED JAN 19 1965
By [signature]

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE JAN 18 1965
By [signature]

SUBMITTED BY: [signature] ARCHITECT
REG. NO. C-876

DRAWN BY: [redacted]
CHECKED BY: [redacted]
DATE: NOV 1964

PLOT & GRADING PLANS
CLASSROOM BUILDING AT
JAMES A. GARFIELD HIGH SCHOOL
5101 E. 6TH STREET, LOS ANGELES 22, CALIFORNIA
PREPARED FOR THE
BOARD OF EDUCATION
LOS ANGELES UNIFIED SCHOOL DISTRICT

A-2

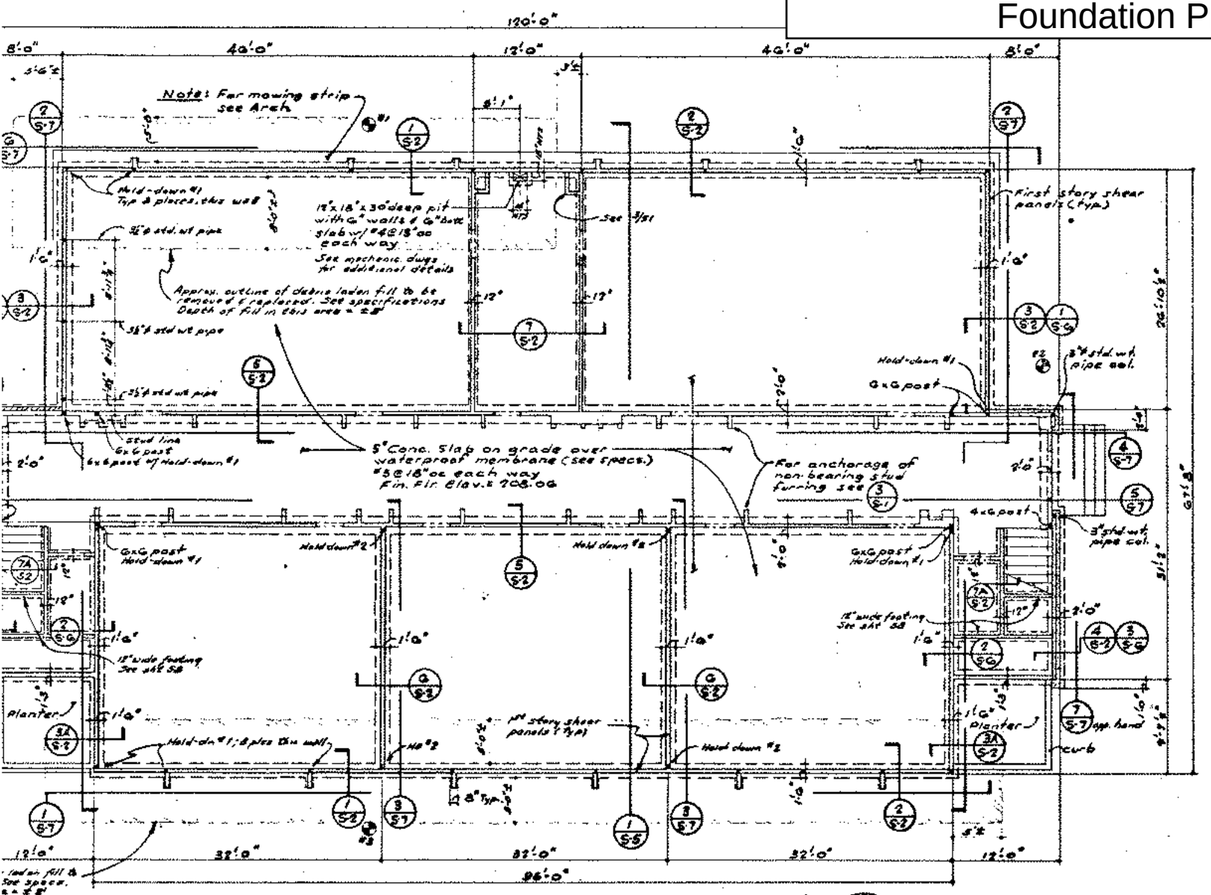
JOB NUMBER 6407

AIA
AND ASSOCIATES
ARCHITECTS ENGINEERS PLANNERS
LOS ANGELES, CALIFORNIA

STANLEY C. MAYGER

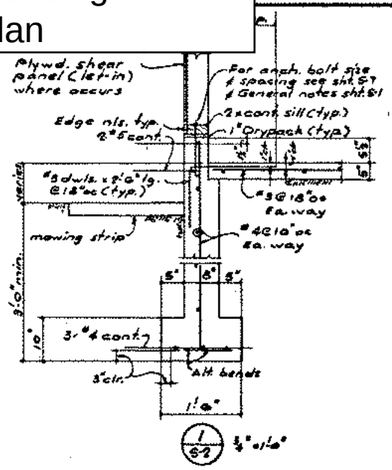
8679.19

New Classroom Building
Foundation Plan

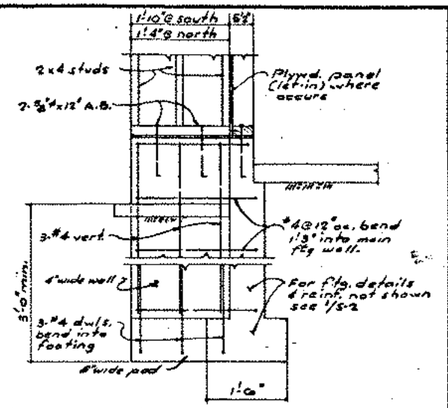


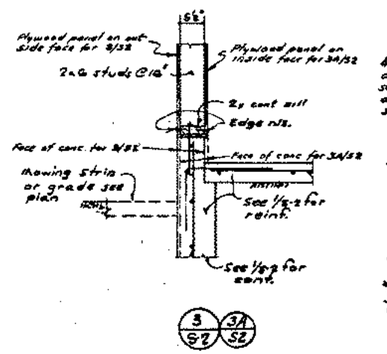
FOUNDATION AND 1ST FLOOR PLAN

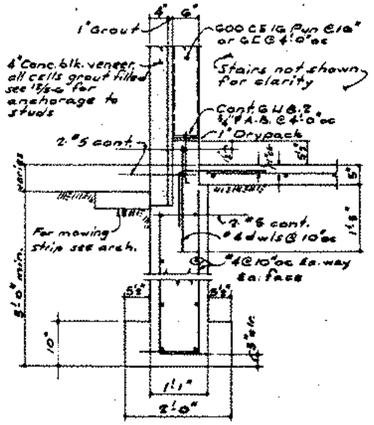
1/8" = 1'-0"

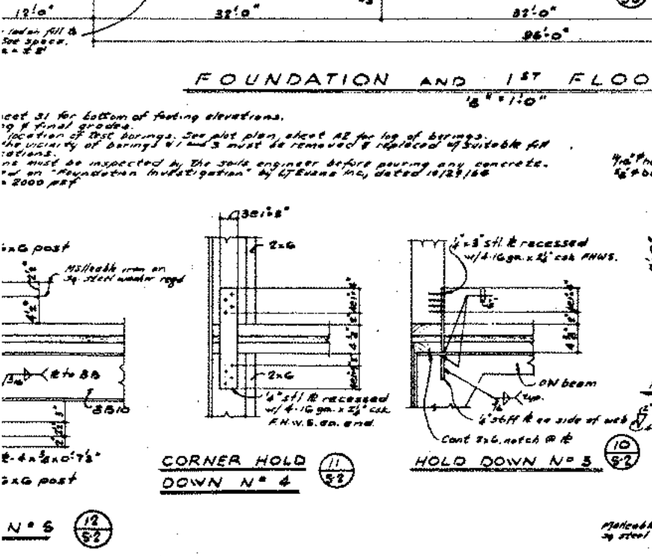


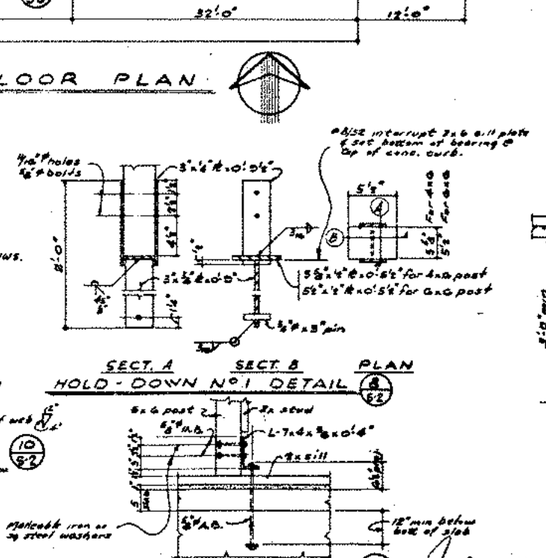
1/2" = 1'-0"

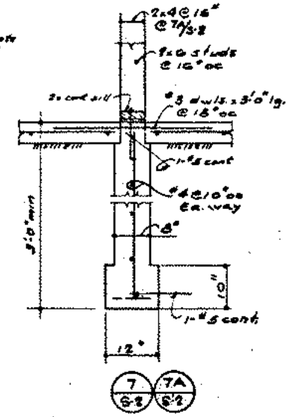


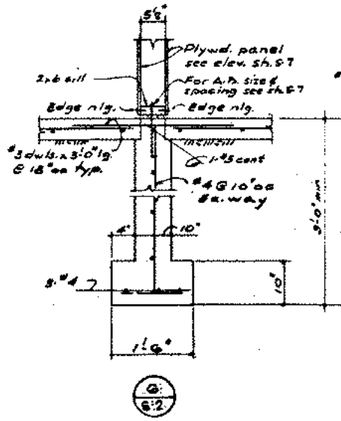


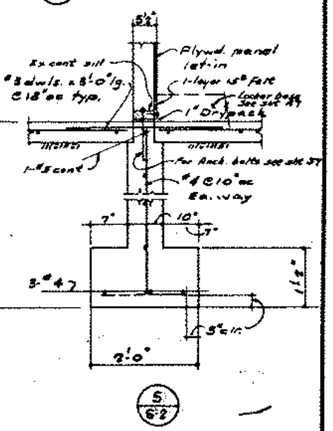












STEWART, GRAY & ENGER
ARCHITECTS ENGINEERS PLANNERS
LOS ANGELES, CALIFORNIA

DRAWN BY: E	FOUNDATION, FIRST FLOOR PLAN & DTLS.	S-2
CHECKED BY: dll	CLASSROOM BUILDING AT JAMES A. GARFIELD HIGH SCHOOL 8501 S. 6TH STREET, LOS ANGELES 12, CALIFORNIA PREPARED FOR THE BOARD OF EDUCATION LOS ANGELES CITY HIGH SCHOOL DISTRICT	JOB NUMBER 6407
DATE: NOV 1964		

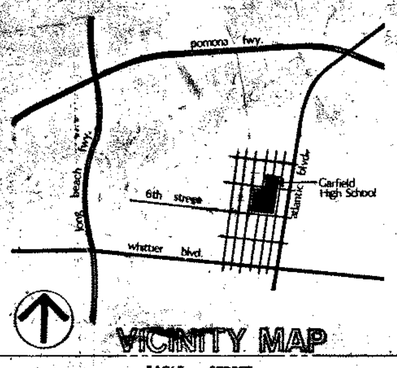
STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES
OFFICE OF ARCHITECTURE AND CONSTRUCTION
25466 APPROVED JAN 19 1965

SUBMITTED BY: REG. NO. C-878 ARCHITECT

STRUCTURAL ENGINEERS
JOHN A. MARTIN & ASSOCIATES
1870 WILSHIRE BOULEVARD

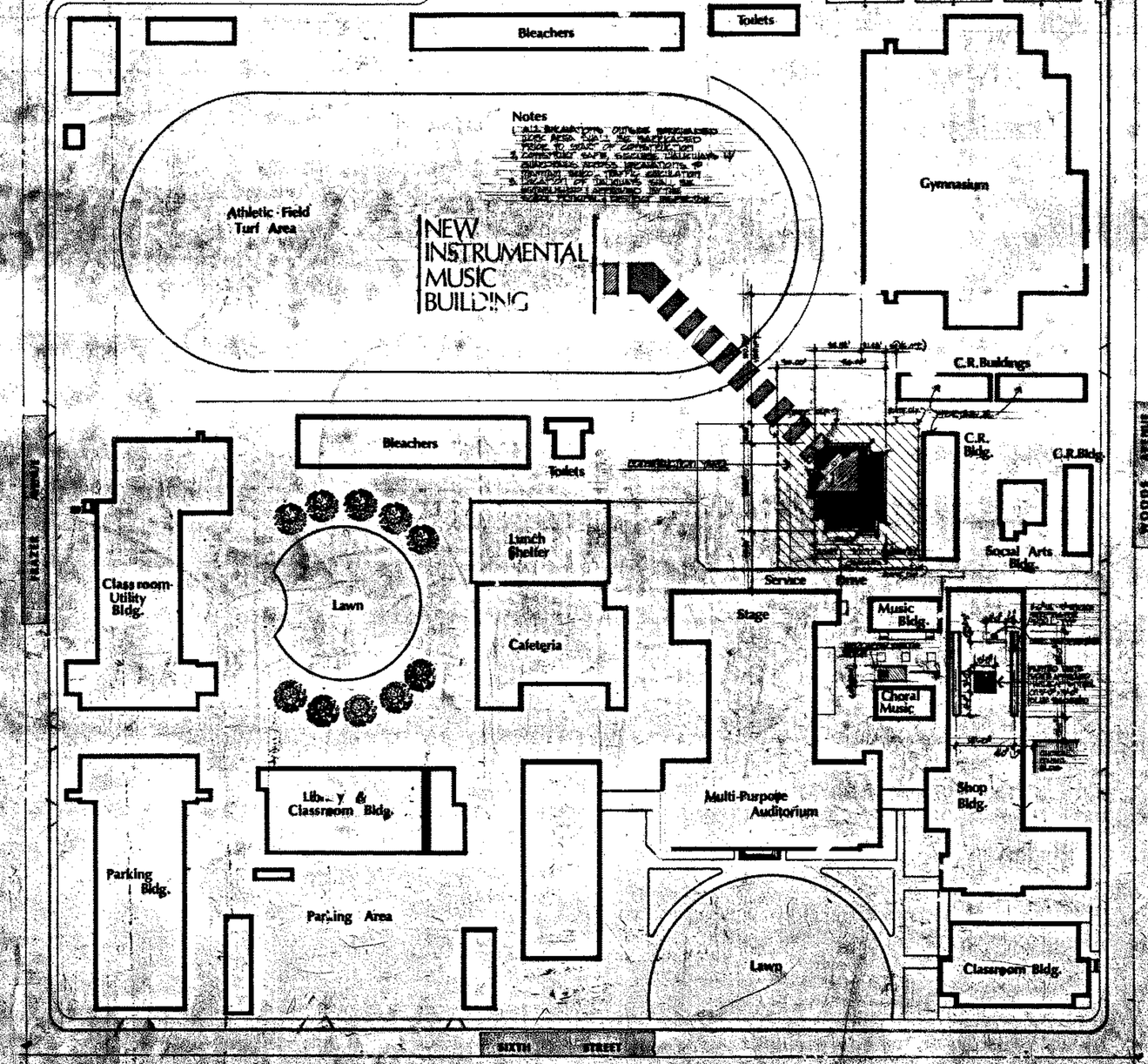
8679.19

New Instrumental Music Building
Location Map



VICINITY MAP

EAGLE STREET



OVERALL SITE PLAN

consultants

•STRUCTURAL ENGINEERS
ray steinberg
river engineering
10960 WILSHIRE BLVD. SUITE 1426
LOS ANGELES CA 90024
TEL. 213 / 473-1546

•MECHANICAL ENGINEERS
rouhy dehbbi & assoc.
10834 BURBANK BLVD.
NO. HOLLYWOOD, CA. 90601
TEL. 213 / 980 - 0837

•ELECTRICAL ENGINEERS
john snyder & assoc.
12517 CHANDLER BLVD.
NO. HOLLYWOOD, CA. 91607
TEL. 213 / 984 - 2390

•CIVIL ENGINEERS
stevens engineering
14448 1/2 SHERMAN WAY
VAN NUYS, CA.
TEL. 213 / 988 - 0944

•ACOUSTICAL ENGINEERING
wilfred malmund assoc.
208 CALLE MAYOR
REDONDO BEACH, CA.
TEL. 213 / 373 - 2987

SOIL ENGINEERS
kovacs-byer & assoc.
8430 VENTURA BLVD.
STUDIO CITY, CA. 91604
TEL. 213 / 980-0826

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ARCHITECTURAL
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A15
A16

STRUCTURAL
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S2
S3
S4
S5
S6
S7
S8

MECHANICAL
M1
M2

PLUMBING
P1
P2

ELECTRICAL
E1
E2
E3

INSTRUMENTAL MUSIC BLDG.

garfield high school
5101 east 6th street
los angeles california 90022

8679.29

Robert Alton Architect AIA

5.1.3 instrumental music building
garfield high school
5101 east 6th street
by competitive contract process

THE BOARD OF EDUCATION
LOS ANGELES UNIFIED SCHOOL DISTRICT

A0

New Instrumental Music Building
Foundation Plan

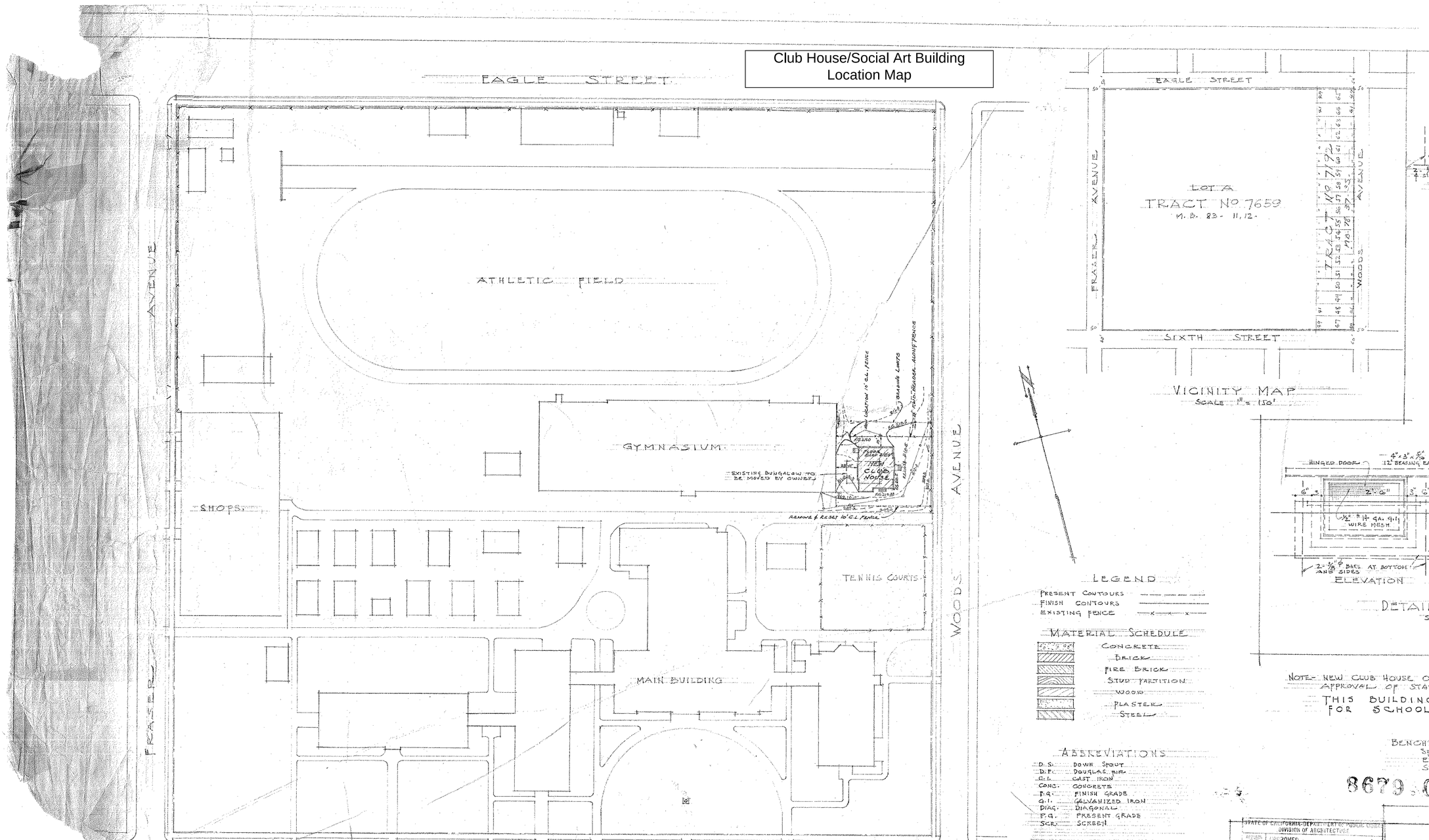
FOUNDATION PLAN

NOTE: ALL EXTERIOR WALLS TO HAVE 2x6 STUDS @ 16" OC.

B Robert Anton Architect AIA

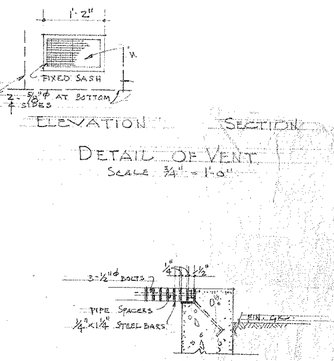
Foundation Plan

Club House/Social Art Building
Location Map



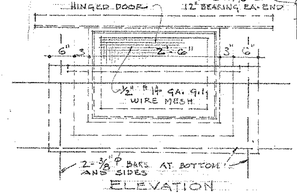
PLOT PLAN
SCALE 1" = 50'

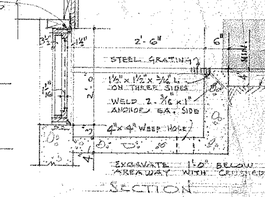
VICINITY MAP
SCALE 1" = 150'



DETAIL OF VENT
SCALE 3/4" = 1'-0"

DETAIL OF STEEL GRATING
SCALE 1 1/2" = 1'-0"





DETAIL OF CRAWL HOLE
SCALE 3/4" = 1'-0"

LEGEND

PRESENT CONTOURS
FINISH CONTOURS
EXISTING FENCE

MATERIAL SCHEDULE

CONCRETE
BRICK
FIRE BRICK
STUD PARTITION
WOOD
PLASTER
STEEL

ABBREVIATIONS

D. S.	DOWN SPOUT
D. F.	DOUGLAS FIR
C. I.	CAST IRON
CONC.	CONCRETE
F. G.	FINISH GRADE
G. I.	GALVANIZED IRON
DIAG.	DIAGONAL
P. G.	PRESENT GRADE
SCR.	SCREEN

NOTE:- NEW CLUB HOUSE ONLY TO BE INCLUDED IN APPROVAL OF STATE DIVISION OF ARCHITECTURE

THIS BUILDING WILL NOT BE USED FOR SCHOOL PURPOSES.

BENCH MARK:
SPIKE SOUTH END CURB RETURN SOUTH EAST CORNER FRASER AVENUE AND SIXTH STREET. ELEV. 212.78 U.S.C.&G.S.

8679.07 [redacted]

STATE OF CALIFORNIA-DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE

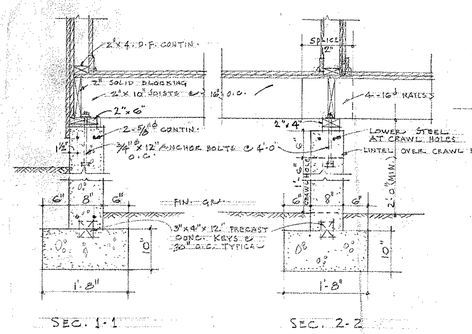
APPROVED	1-2-40	
3149	Harry W Bolin	V. KERSEY
		JOHN F. DALTON
	J E Byers	A. S. NIBECKER
	CHIEF STRUCTURAL ENGINEER	

CLUB HOUSE
PLOT PLAN
JAMES A. GARFIELD HIGH SCHOOL
SIOT E. SIXTH ST. L.A. COUNTY, CAL.

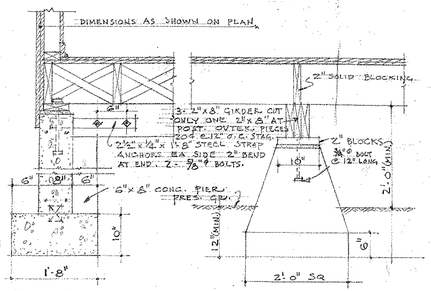
PREPARED BY
J. C. TARANTINO
CHIEF DRAFTSMAN

DATE APPROVED
JOB No.

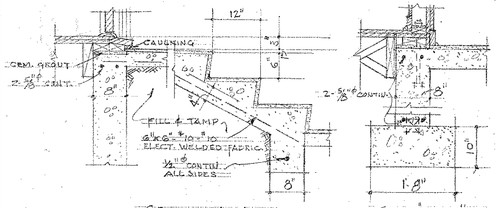
Club House/Social Art Building
Foundation Plan



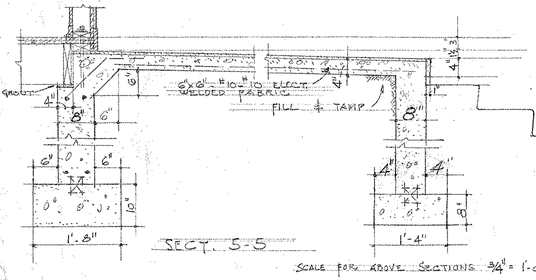
SEC. 1-1 SEC. 2-2



SEC. 3-3 TYPICAL PIER

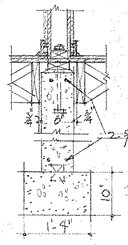


SECT. 4-4 SEC. 7-7

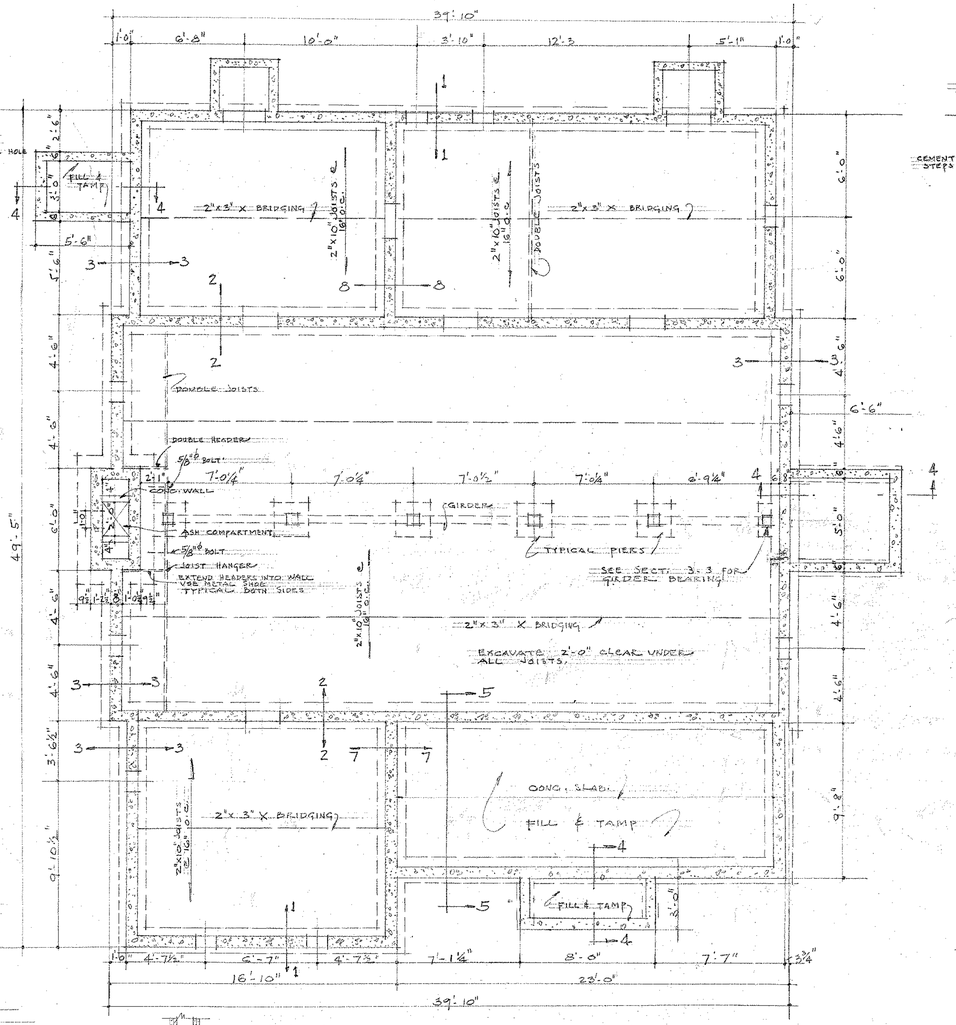


SECT. 5-5

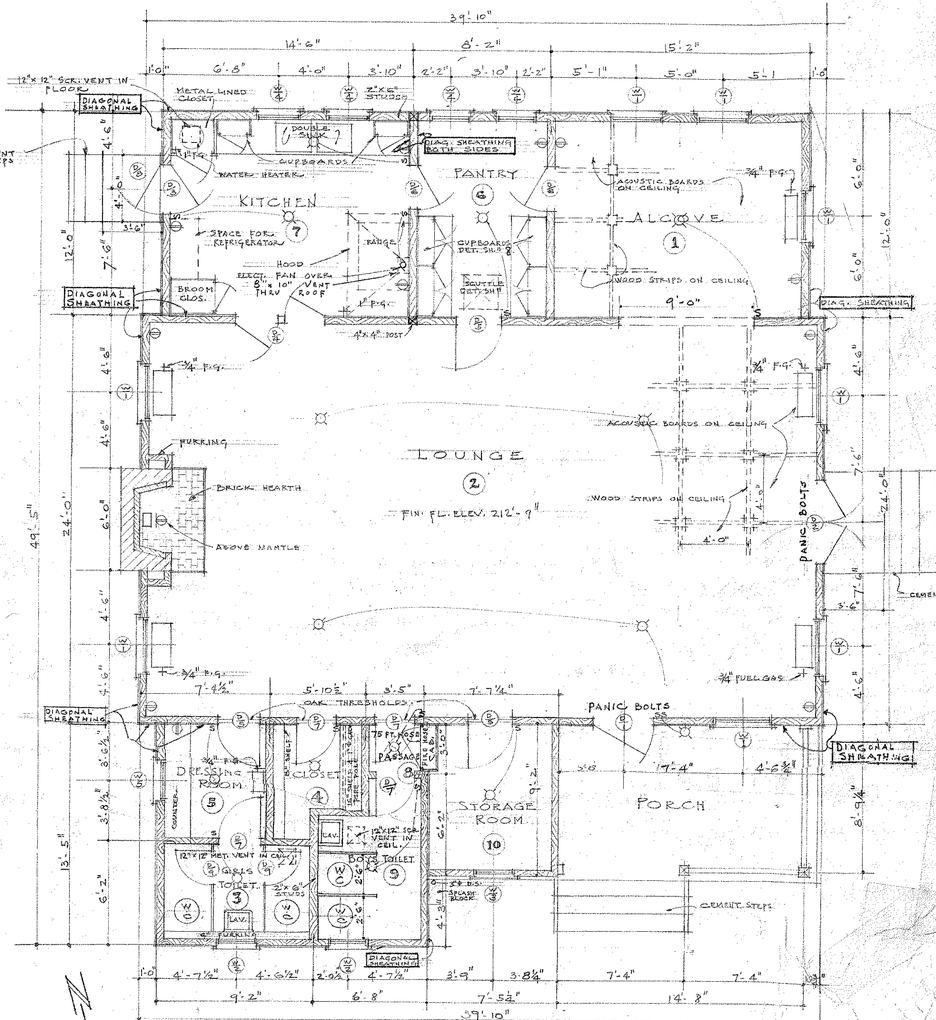
SCALE FOR ABOVE SECTIONS 3/4" = 1'-0"



SECT. 8-8



FOUNDATION PLAN
SCALE 1/4" = 1'-0"



FLOOR PLAN
SCALE 1/4" = 1'-0"

8679.07

[redacted]

CLUB HOUSE

FLOOR & FOUNDATION PLANS

JAMES A. GARFIELD HIGH SCHOOL
51st ESTATE ST. L.A. COUNTY, CALIFORNIA

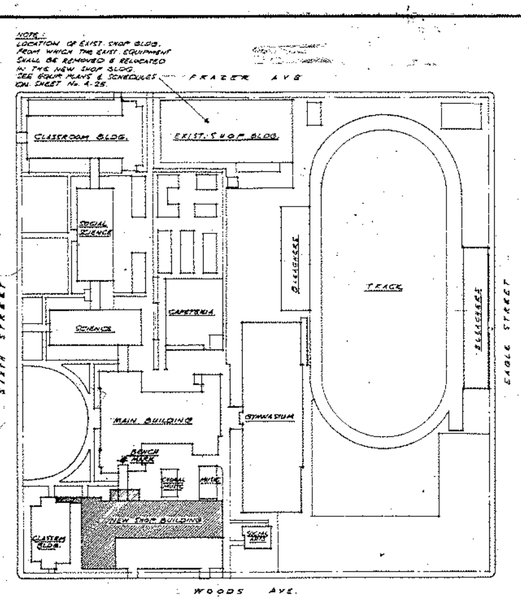
PLANS PREPARED BY
BUSINESS DEPARTMENT
BOARD OF EDUCATION
L.A. CITY HIGH SCHOOL DISTRICT
1625 SOUTH SAN PEDRO STREET
LOS ANGELES, CALIFORNIA

STATE OF CALIFORNIA-DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
APPLICATION FOR APPROVAL NO. 3149
APPROVED 1-2-40
Per Harry W Bolin
J.E. Byers
CHIEF STRUCTURAL ENGINEER

V. KERSEY
DSTNT.
JOHN F. DALTON
CH. DLDG. CONS.
A. S. HIBBERD, JR.
DIV. MAR. & ARCHITECT

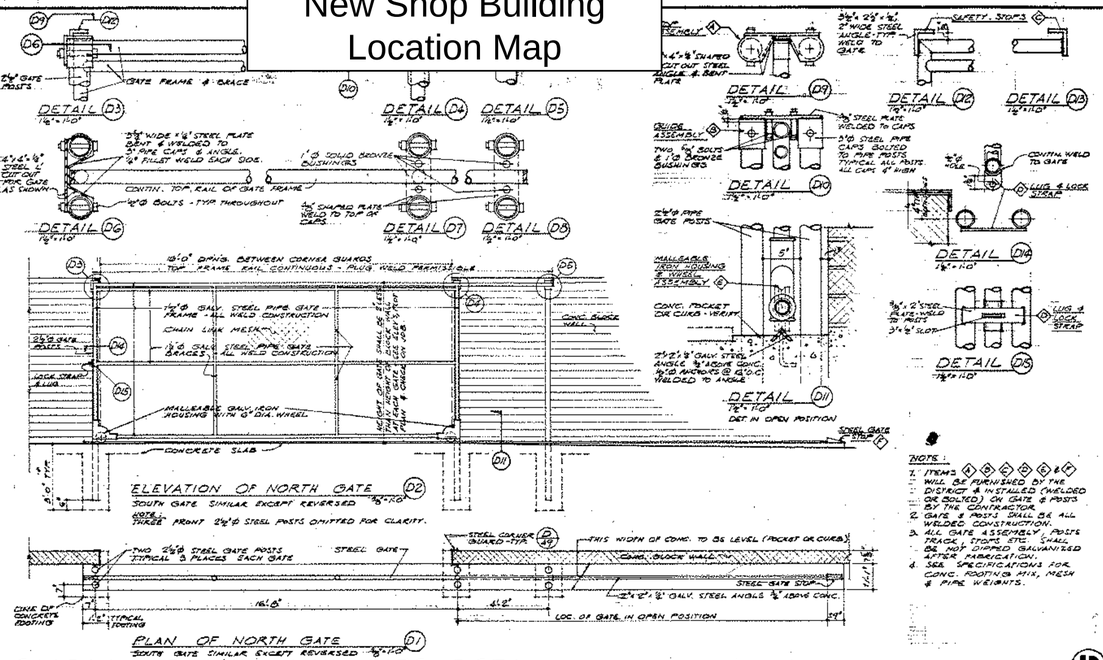
NOTE:
ALL LATH, PLASTERING AND FLASHING TO COMPLY FULLY WITH CHAPT. 47.
ALL ELECTRIC WIRING TO COMPLY FULLY WITH ORD. # 2252.
ALL PLUMBING TO COMPLY FULLY WITH ORD. # 2366.
ALL VENTS AND HEATING APPARATUS TO COMPLY FULLY WITH CHAPT. 37.

New Shop Building Location Map



SITE LOCATION PLAN

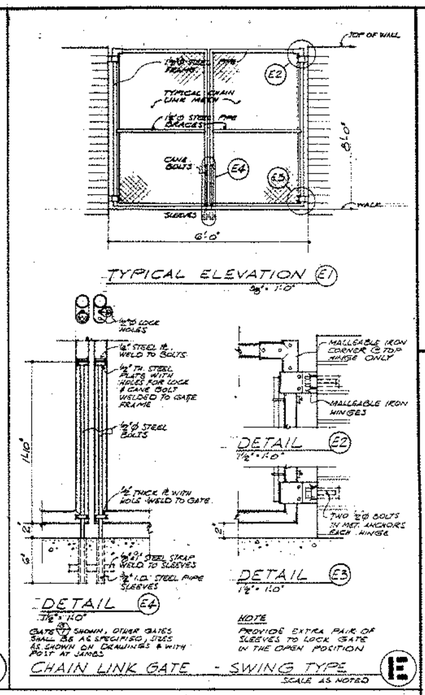
NOT TO SCALE



SLIDING CHAIN LINK GATE DETAIL

SCALE AS NOTED

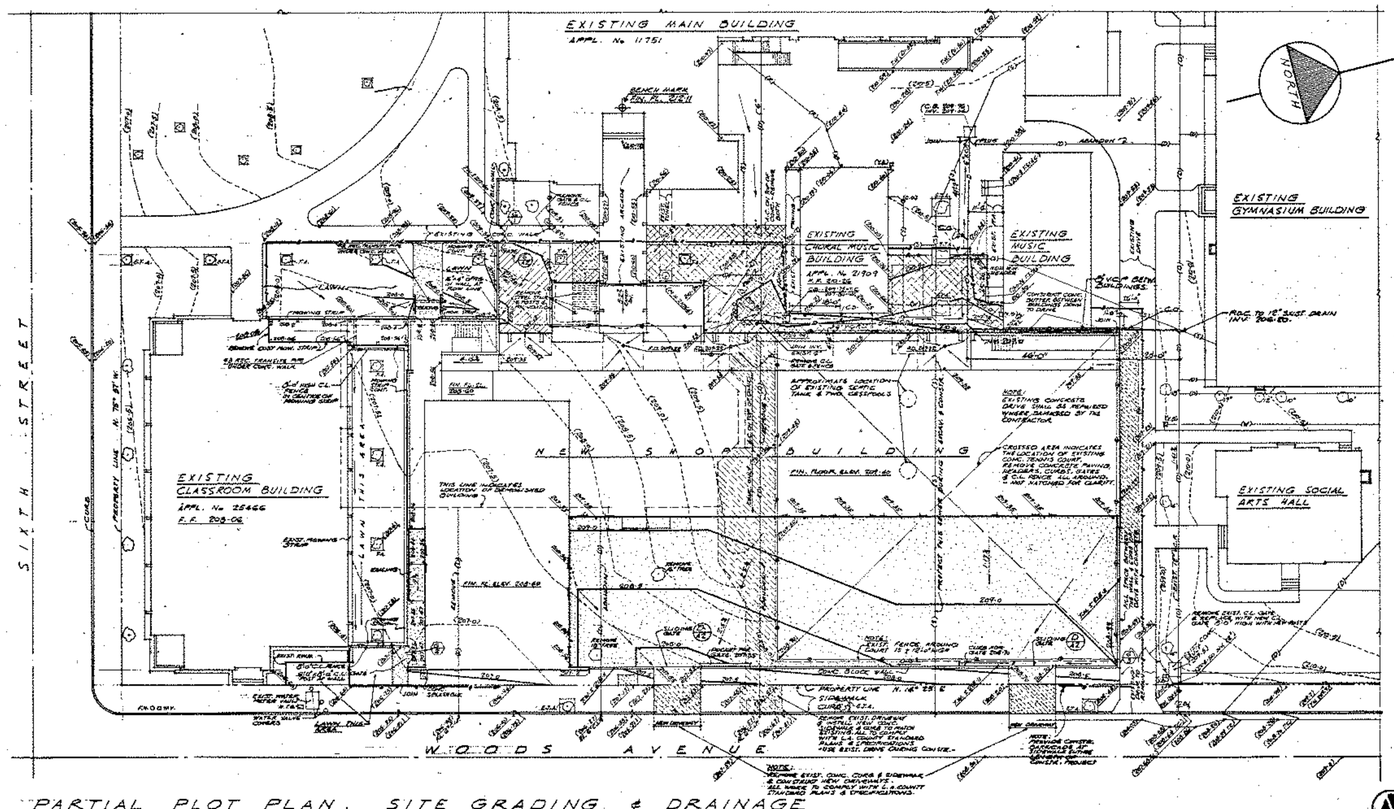
D



CHAIN LINK GATE - SWING TYPE

SCALE AS NOTED

E



PARTIAL PLOT PLAN, SITE GRADING & DRAINAGE

SCALE 1"=20'-0"

A

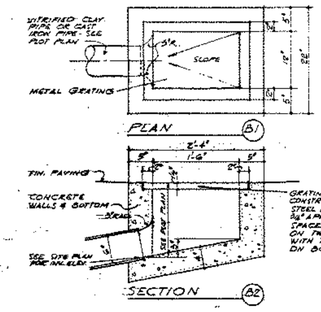
LEGEND

PROPERTY LINE	
CENTER LINE	
PRESENT GRADE CONTOURS	(000.0)
FINISH GRADE CONTOURS	000.0
RIDGE LINE	
EXISTING FENCE TO REMAIN	
EXISTING FENCE TO BE REMOVED	
NEW OR RELOCATED FENCE	
FLOW LINE	
GRADING LIMITS	
WATER LINE	W
GAS LINE	G
DRAIN LINE	D
SEWER LINE	S
ELECTRICAL CONDUIT	E
CONSTRUCTION BARRICADE	
NEW ASPHALTIC CONCRETE	
REMOVE EXISTING A.C.	
REMOVE & REPLACE EXIST A.C.	
NEW CEMENT CONCRETE	
REMOVE EXIST. CEM. CONCRETE	
REMOVE & REPLACE EXIST. CEM. CONC.	
EXISTING ELEVATIONS	(000.0) OR (000.0)
NEW ELEVATIONS	000.0 OR + 000.0
MINIMUM FLOOR ELEVATION	F.F.
EXISTING TREE	
TREE AREA	T.A.
EXISTING TREE AREA	E.T.A.
PLANTING AREA	P.A.
TOP OF WALL	T.W.
TOP OF HEADER	T.H.
TOP OF CURB OR CONCRETE	T.C.
ASPHALTIC CONCRETE	A.C.
CHAIN LINK FENCE	C.L.F.
POWER POLE	P.P.
MANHOLE	M.H.
YARD BOX	Y.B.
WATER METER	W.M.
GAS METER	G.M.
CLEAN OUT "Y" AT SURFACE	C.O.Y.
CLEAN OUT	C.O.
FIRE HYDRANT	F.H.
VITRIFIED CLAY PIPE	V.C.P.
CAST IRON PIPE	C.I.P.

NOTE: IF ANY SYMBOLS, LETTERS OR NUMBERS ARE IN BRACKETS IT INDICATES THAT THE ITEM IS EXISTING

GENERAL NOTES

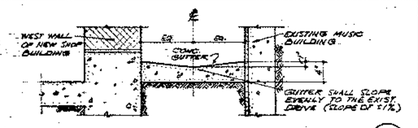
1. CONTRACTOR SHALL REPAIR ANY & ALL EXISTING SURFACES WHICH ARE REMOVED, CUT ETC. TO ALLOW FOR INSTALLATION OF HIS (THE CONTRACTORS) WORK OR WHICH HAVE BEEN DAMAGED DUE TO WORKMEN, EQUIPMENT, STORAGE OF MATERIALS, AND/OR BY GENERAL CONSTRUCTION OPERATIONS. FINISHED REPAIRED SURFACES ARE TO MATCH EXISTING ADJACENT SURROUNDING MATERIALS IN TEXTURE, MATERIAL, FINISH, AND CONSTRUCTION.
2. EXISTING CONTOURS ARE TAKEN FROM L.A. UNIFIED SCHOOL DISTRICT DRAWINGS: #CH DATED 5-4-64, #1 DATED 5-29-68 AND #1 DATED FEB. 1965. ALL FOR THIS SIDE.
3. PROPERTY LINE BEARINGS TAKEN FROM SURVEY OF SITE BY R.K. EARLE, LICENCED SURVEYOR, DATED JULY 1964.
4. PARKING PRIVILEGES BEYOND THE CONTACTORS BARRICADES ARE LIMITED TO THE SURROUNDING STREETS. NO PARKING OF ANY VEHICLE, CONTRACTORS OR WORKMENS, IS PERMITTED ON THE SCHOOL GROUNDS.
5. PROTECT AND/OR REPAIR AS REQUIRED AND REPAIR ANY AND ALL DAMAGES TO THE EXISTING LAWN SPRINKLER SYSTEM.
6. EXIST. CLEAN-OUTS, YARD BOXES ETC. SHALL BE RAISED OR LOWERED TO SUIT THE NEW GRADES.
7. ALL ACTIVE PIPES, CONDUITS & OTHER SERVICE LINES DAMAGED OR DISCONNECTED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED TO THE DISTRICTS SATISFACTION TO KEEP THE EXIST. PLANT IN OPERATION.
8. CONCRETE PAVED YARD, TWO DRIVES AND ALL WALKS BEYOND THE EXTERIOR BUILDING LINE SHALL HAVE A BROOM FINISH, TO MATCH SAMPLE SUPPLIED BY THE DISTRICTS BUILDING INSPECTOR.
9. ALL PIPES, CONDUITS & OTHER OBJECTS DISCOVERED DURING EXCAVATION OR GRADING SHALL BE REMOVED IF INACTIVE AND PROTECTED IF ACTIVE WHETHER INDICATED ON DRAWINGS OR NOT.



CATCH BASIN DETAIL

SCALE 1"=1'-0"

B



CONCRETE GUTTER DETAIL

SCALE 1"=1'-0"

C

APR 20 1967 AS BUILT

NO.	DATE	REVISION	BY	CK

NO.	DATE	REVISION	BY	CK

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE: NOV 15 1965

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES
OFFICE OF ARCHITECTURE AND CONSTRUCTION
2646 APPROVED NOV 17 1965
SUBMITTED BY
ARC. NO. C-678 ARCHITECT

DRAWN BY: G.O.
CHECKED BY:
DATE: NOV 1965

PLOT PLAN & DETAILS

NEW SHOP BUILDING
(REPLACEMENT OF INDUSTRIAL ARTS BUILDING)
JAMES A. GARFIELD HIGH SCHOOL
8101 E. 6TH STREET, LOS ANGELES 23, CALIFORNIA
PREPARED FOR THE
BOARD OF EDUCATION
LOS ANGELES UNIFIED SCHOOL DISTRICT

A-2

JOB NUMBER 6408

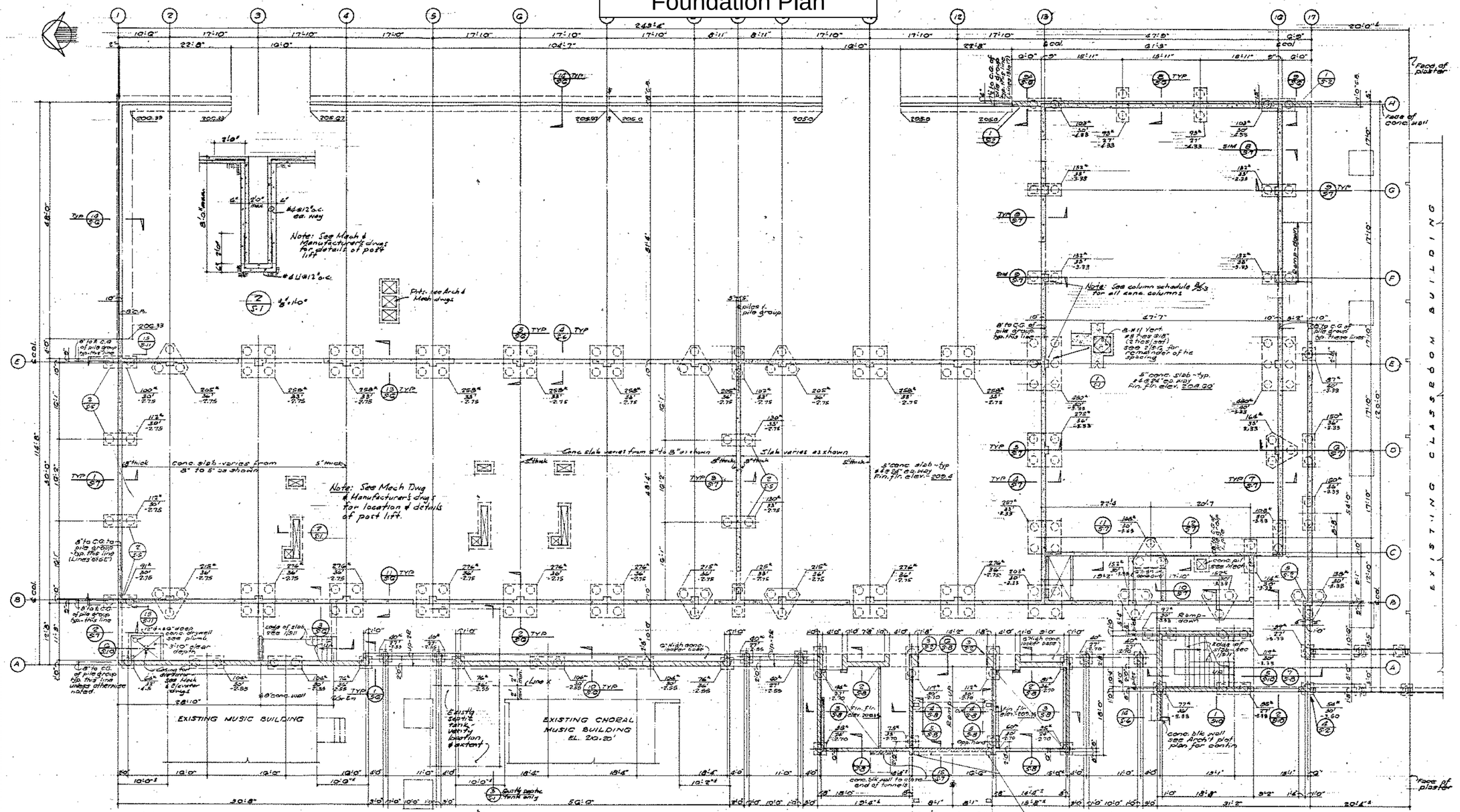
AIA

AND ASSOCIATES
ARCHITECTS ENGINEERS PLANNERS
LOS ANGELES CALIFORNIA

STEWART S. GRANGER

8679.20

New Shop Building
Foundation Plan



APR 20 1967 AS BUILT

NO.	DATE	REVISION	BY	CK.

NO.	DATE	REVISION	BY	CK.

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES, OFFICE OF ARCHITECTURE AND CONSTRUCTION
26446 APPROVED NOV 17 1965
for [illegible]
SUBMITTED BY: [signature] ARCHITECT
REG. NO. C-8278

DRAWN BY: GHT
CHECKED BY: HW
DATE: NOV. 1965

FIRST FL. & FOUNDATION PLAN

NEW SHOP BUILDING
(REPLACEMENT OF INDUSTRIAL ARTS BUILDING)
JAMES A. GARFIELD HIGH SCHOOL
5101 E. 6TH STREET, LOS ANGELES 22, CALIFORNIA
PREPARED FOR THE
BOARD OF EDUCATION
LOS ANGELES UNIFIED SCHOOL DISTRICT

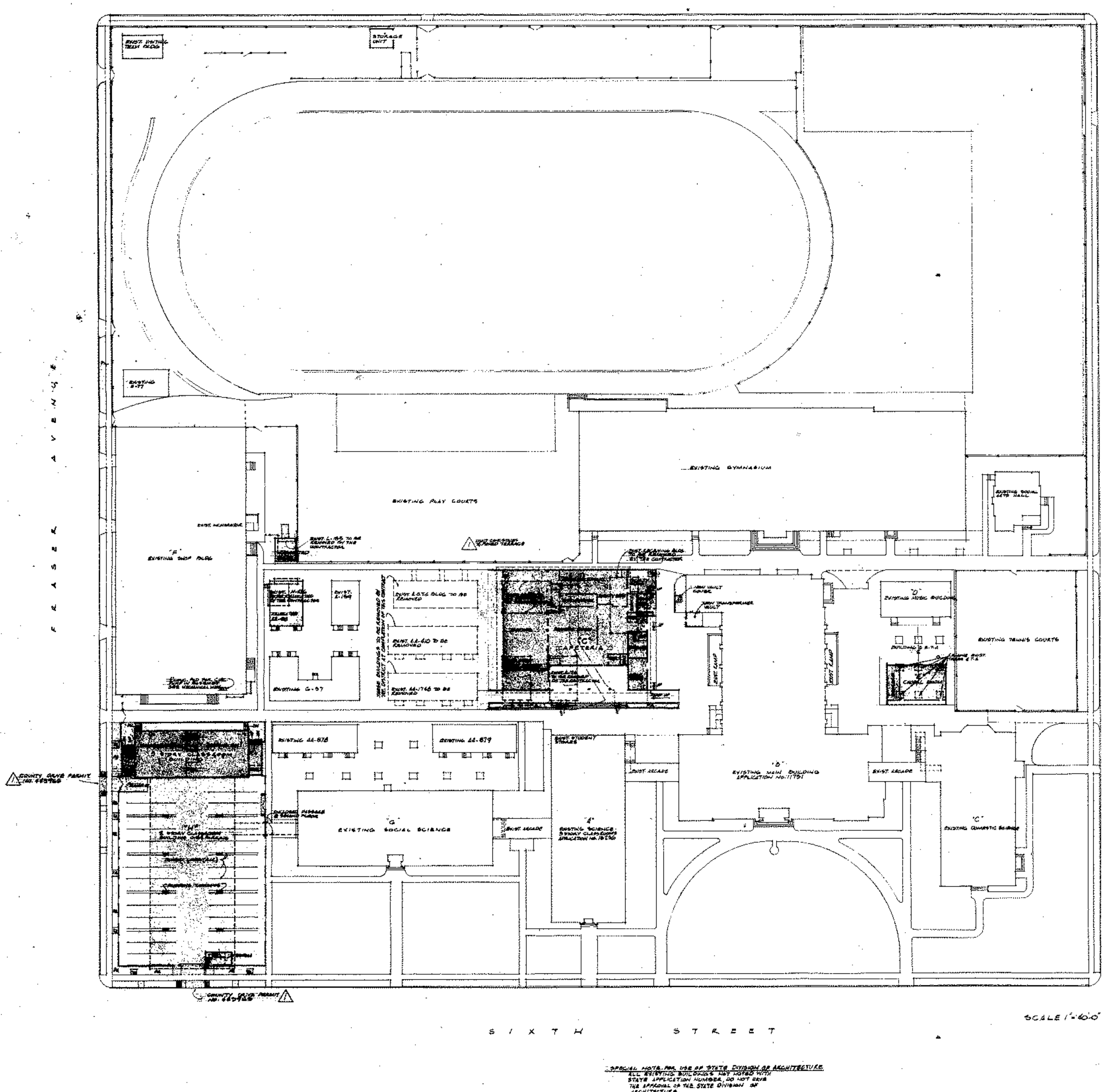
S-1
JOB NUMBER 6408

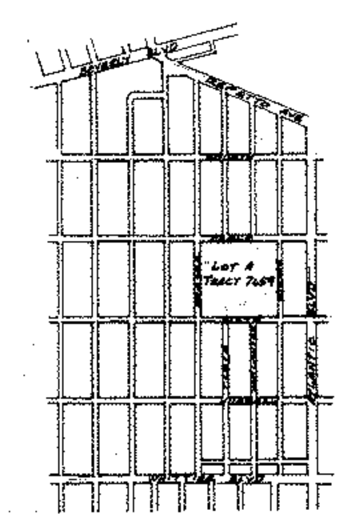
JOHN A. MARTIN & ASSOCIATES
STRUCTURAL ENGINEERS
1870 WILSHIRE BOULEVARD
ARCHITECTS ENGINEERS PLANNERS
LOS ANGELES CALIFORNIA

STEWART S. GRANGER AIA

8679.20

Classroom Building
Location Map





SITE VICINITY PLAN
SCALE - 1" = 100'-0"

SPECIAL NOTE FOR USE OF STATE DIVISION OF ARCHITECTURE
ALL EXISTING BUILDINGS NOT NOTED WITH STATE APPLICATION NUMBER, DO NOT HAVE THE APPROVAL OF THE STATE DIVISION OF ARCHITECTURE.

GENERAL NOTES

A- ALL DATA PERTAINING TO EXISTING CONDITIONS WAS TAKEN FROM THE FOLLOWING BOARD OF EDUCATION RECORD DRAWINGS, DATED:
1. MAY, 1964 - PLOT PLAN SHOWING PRESENT BUILDINGS
2. OCT., 1959 - GROUND IMPROVEMENTS
3. APRIL, 1957 - PART PLOT PLAN
4. FEB., 1956 - DRAINAGE IMPROVEMENTS
5. JAN., 1954 - PART PLOT PLAN
6. JULY, 1950 - SPRINKLER PLAN
7. AUG., 1948 - PART PLOT PLAN
8. JULY, 1947 - GROUND IMPROVEMENTS
9. MAY, 1947 - GROUND IMPROVEMENTS
10. JULY, 1943 - PART PLOT PLAN
11. AUG., 1929 - SEWER CONNECTIONS
12. JUNE, 1928 - PIPING PLAN
13. JAN., 1926 - GRADING PLAN ; CONTRACTOR TO VERIFY ALL CONDITIONS & DATA AND NOTIFY THE ARCHITECT, IN WRITING, OF ANY AND ALL VARIATIONS, DESCREPANCIES, ETC. THAT AFFECT HIS (THE CONTRACTOR) WORK BEFORE PROCEEDING WITH THE WORK.

B- SEE ADDITIONAL GENERAL NOTES ON SHEET A-3-S

C- ALL CONCRETE BLOCK TO BE 8"x4"x16" ; 8"x4"x12" ; OR 12"x4"x16" UNITS
ALL WALLS TO HAVE 2" HIGH SOLID CAP COURSE

SYMBOLS

A-1 / H — SHEET NUMBER
- NUMBER OF SHEET
- BUILDING DESIGNATION
  - S = SITE WORK
  - H = CLASSROOM BUILDING
  - E = CHORAL MUSIC BUILDING
  - C = CAFETERIA BUILDING
- A = ARCHITECTURAL, S = STRUCTURAL, ETC. SEE SHEET A-1/S

ROOM NUMBER DESIGNATION (STORAGE / H-102)
- ROOM FUNCTION
- ROOM NUMBER
- FLOOR DESIGNATION 2 = 2ND; 3 = 3RD; 4 = ROOF
- BUILDING DESIGNATION

DETAIL OR SECTION SYMBOL
- DETAIL CALLOUT LETTER
- SHEET NUMBER
- BUILDING DESIGNATION

SUB-DETAIL SYMBOL

DOOR NUMBER SYMBOL
- DOOR NUMBER
- FLOOR DESIGNATION
- BUILDING DESIGNATION

WINDOW NUMBER SYMBOL
- WINDOW NUMBER
- SHEET NUMBER (DETAIL)

INTERIOR ELEVATION SYMBOL
- NUMBER OF ELEVATION
- NUMBER OF SHEET WHERE ELEVATION IS DRAWN

WALL SYMBOLS
- POURED CONCRETE
- PRECAST CONCRETE
- BLOCK WALL
- STUD & PLASTER - LARGE SCALE } METAL STUD
- STUD & PLASTER - SMALL SCALE }
- WOOD STUD & PLASTER

ABBREVIATIONS

ABT.	ABOUT	HARDWD. - HW. - HWD.	HARDWOOD
ACOUST. - AC.	ACOUSTIC	HTG.	HEATING
ADJ.	ADJACENT	HT.	HEIGHT
ALUM.	ALUMINUM	I.D.	INSIDE DIAMETER
A.B.	ANCHOR BOLT	INSUL.	INSULATION
A.C.	ASPHALTIC CONCRETE	INT.	INTERIOR
A.T.	ASPHALT TILE	JST.	JOISTS
BM.	BEAM	K.C.	KEENE'S CEMENT
BTWN.	BETWEEN	LAM.	LAMINATED
BLK.	BLOCK	LAV. - L - LAVA	LAVATORY
BLK'G.	BLOCKING	MACH.	MACHINE
BD.	BOARD	M.S.	MACHINE SCREW
CAB.	CABINET	M.O.	MASONRY OPENING
C.I.	CAST IRON	MAX.	MAXIMUM
CLG.	CEILING	MECH.	MECHANICAL
CEM.	CEMENT	MTL. - MET.	METAL
CER. TILE	CERAMIC	M.G.B.	METAL GREASE BAND
C.L.F.	CHAIN LINK FENCE	M.L.&P.	METAL LATH & PLASTER
C.B.	CHALKBOARD	M.P.S.	METAL PLASTER STOP
CK.	CHECK	MIN.	MINIMUM
CLR. - CL.	CLEAR	N.I.C.	NOT IN CONTRACT
COL.	COLUMN	NO.	NUMBER
COMM.	COMMUNICATION	O.C.	ON CENTER
COMPO.	COMPOSITION	OPN'G.	OPENING
COMP.	COMPOUND	OPP. HD.	OPPOSITE HAND
CONC.	CONCRETE	OUT.	OUTLET
C.O.	CONCRETE OPENING	O.H.W.S.	OVAL HEAD WOOD SCREW
COND.	CONDUIT	O.A.	OVER ALL
CONT.	CONTINUOUS	PART'N.	PARTITION
C.J.	CONTROL JOINT	PED.	PEDESTAL
CSK.	COUNTERSINK	PLAS.	PLASTER
CONTR.	CONTRACTOR	PL.	PLATE
DTL.	DETAIL	PLYWD.	PLYWOOD
DIA.	DIAMETER	POL. PL.	POL. PL.
DIM.	DIMENSION	Q.T.	QUARRY TILE
D.W.	DISH WASHER	R. - RAD.	RADIUS
DN.	DOWN	REF.	REFERENCE
D.S.	DOWNSPOUT	REIN.	REINFORCING
D.C.	DOUBLE COMPARTMENT	REQ'D.	REQUIRED
DWGS.	DRAWINGS	R.A.	RETURN AIR
D.F.	DRINKING FOUNTAIN	R.	RISER
EA.	EACH	RM.	ROOM
ELEC.	ELECTRICAL	SECT.	SECTION
ELEV. - EL.	ELEVATION	SHT.	SHEET
ENCL.	ENCLOSURE	SHT. MTL. - S.M.	SHEET METAL
EQ.	EQUAL	SIM.	SIMILAR
EXH.	EXHAUST	S.	SINK
EXIST.	EXISTING	S.C.	SOLID CORE
EXP. JT. - E.J.	EXPANSION JOINT	SPECS.	SPECIFICATIONS
EXP.	EXPOSED	SPL.	SPLICE
EXT.	EXTERIOR	SQ.	SQUARE
F.O.	FACE OF	S.S. - S. STL. - ST. STL.	STAINLESS STEEL
F.O.B.	FACE OF BLOCK	ST'DS.	STANDARDS
F.O.C.	FACE OF CONCRETE	STL.	STEEL
F.O.P.	FACE OF PLASTER	STIFF.	STIFFENER
F.O.S. - F.S.	FACE OF STUDS	STRUCT.	STRUCTURAL
FIN.	FINISH	S.A.	SUPPLY AIR
F. FL.	FINISH FLOOR	S.W.	SIDE WALL
F.A.	FIRE ALARM	SW.	SWITCH
F.E.C.	FIRE EXTINGUISHER CABINET	SYM.	SYMMETRICAL
F.H.C.	FIRE HOSE CABINET	T.B.	TACKBOARD
F.H.W.S.	FLAT HEAD WOOD SCREW	TEL.	TELEPHONE
FLR. - FL.	FLOOR	T.W.	TOP OF WALL
F.D. - FL. DR.	FLOOR DRAIN	TR.	TREAD
F.S.	FLOOR SINK	T.A.	TREE AREA
FRMG.	FRAMING	TYP.	TYPICAL
FURR.	FURRING	UR.	URINAL
F.H.M.S.	FLAT HEAD MACHINE SCREW	VERT.	VERTICAL
GALV.	GALVANIZED	W.D.V. BLINDS	WINDOW DARKENING VENETIAN BLINDS
G.I.	GALVANIZED IRON	WAIN. - WSCT.	WAINSCOT
GAR. DISP.	GARBAGE DISPOSAL	W.S.	WARDROBE
GA.	GAUGE	W.C.	WATER CLOSET
GR.	GRADE	W.R.	WINDOW
GRD.	GUARD	WIND. DIM.	WINDOW DIMENSION
GYP. BD.	GYPSUM BOARD	@	AT
&	AND	⌀	DIAMETER
#	NUMBER		PLUS OR MINUS
℄	CENTER LINE	∠	ANGLE
[	CHANNEL	PL	PLATE

GRANGER - CHALMERS - ASSOCIATES
ARCHITECTURE ENGINEERING PLANNING
LOS ANGELES LA JOLLA

NO.	DATE	REVISION	BY	CK.	NO.	DATE	REVISION	BY	CK.
1	7-'-65	AS BUILT	RPK						

AS BUILT-Aug.5,1963

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
Glenn B. Vance
DATE 7-8-64

JOHN A. MARTIN & ASSOCIATES
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REG. NO.

SAMUEL L. KAYE & ASSOCIATES
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EARL L. HOLMBERG & ASSOCIATES
ELECTRICAL ENGINEERS
2525 HYPERION AVE., L.A. 27, CAL.
REG. NO.

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE
81909 APPROVED FEB 8 - 1962
APPLICATION No. By E. Morga
SUBMITTED BY:
REG. NO. C-878 ARCHITECT

DRAWN BY:
CHECKED BY:
DATE: FEB.1962

PLOT & VICINITY PLANS
GENERAL NOTES, SYMBOLS & ABBREVIATIONS
NEW CLASSROOM, CHORAL MUSIC AND CAFETERIA BUILDINGS
FOR
JAMES A. GARFIELD HIGH SCHOOL
5101 E. 6TH STREET, LOS ANGELES 22, CALIFORNIA
PREPARED FOR THE
BOARD OF EDUCATION
LOS ANGELES UNIFIED SCHOOL DISTRICT

A-2 / S

JOB NUMBER 6101

8679-18

Classroom Building Foundation Plan

1-PILE (TYP.)

2-PILES (TYP.)

3-PILES (TYP.)

4-PILES (TYP.)

5-PILES (TYP.)

TYP. PILE DETAIL

SECT.

DETAIL

SECT.

SECT.

SECT.

FOUNDATION & GROUND FLOOR PLAN

SECT.

SECT.

SECT.

PARTIAL ELEV.

SECTION

SECT.

NOTE:
For location of curbs, non brg. stud walls, door openg's, drains & jamb & head details in concrete at door, window & louver openings see architectural drawings.
F.D. = Floor drain
See sheet # A-6.4 for exterior concrete markings.
Footing step shown: ——— = ———
Elev. at: bottom of Ftg., bot. of pile cap & bot. of haunch shown thus = 0.0'

Note: 1.) For vertical detail thru pile cap see sheet # S-9
2.) Where wall occurs over pile cap provide vert. dowels from cap same size & spacing as wall reinf.

NO.	DATE	REVISION	BY	CK.
1	7/10/63	REVISED FOOTING TO MATCH DET. 6/S-9	E.D.	RB
2	9/10/63	REVISED DIMENS. F.D.&VS. AS PER AS BUILT	R.D.	RB

AS BUILT-Aug. 5, 1963

JOHN A. MARTIN & ASSOCIATES
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1850 WILSHIRE BLVD., L.A. 57, CAL.
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STATE OF CALIFORNIA — DEPARTMENT OF PUBLIC WORKS
DIVISION OF ARCHITECTURE
21909 APPROVED FEB 8 - 1962
APPLICATION No. By
SUBMITTED BY:
REG. NO. C-970 ARCHITECT

DRAWN BY:
CHECKED BY:
DATE: FEB. 1962

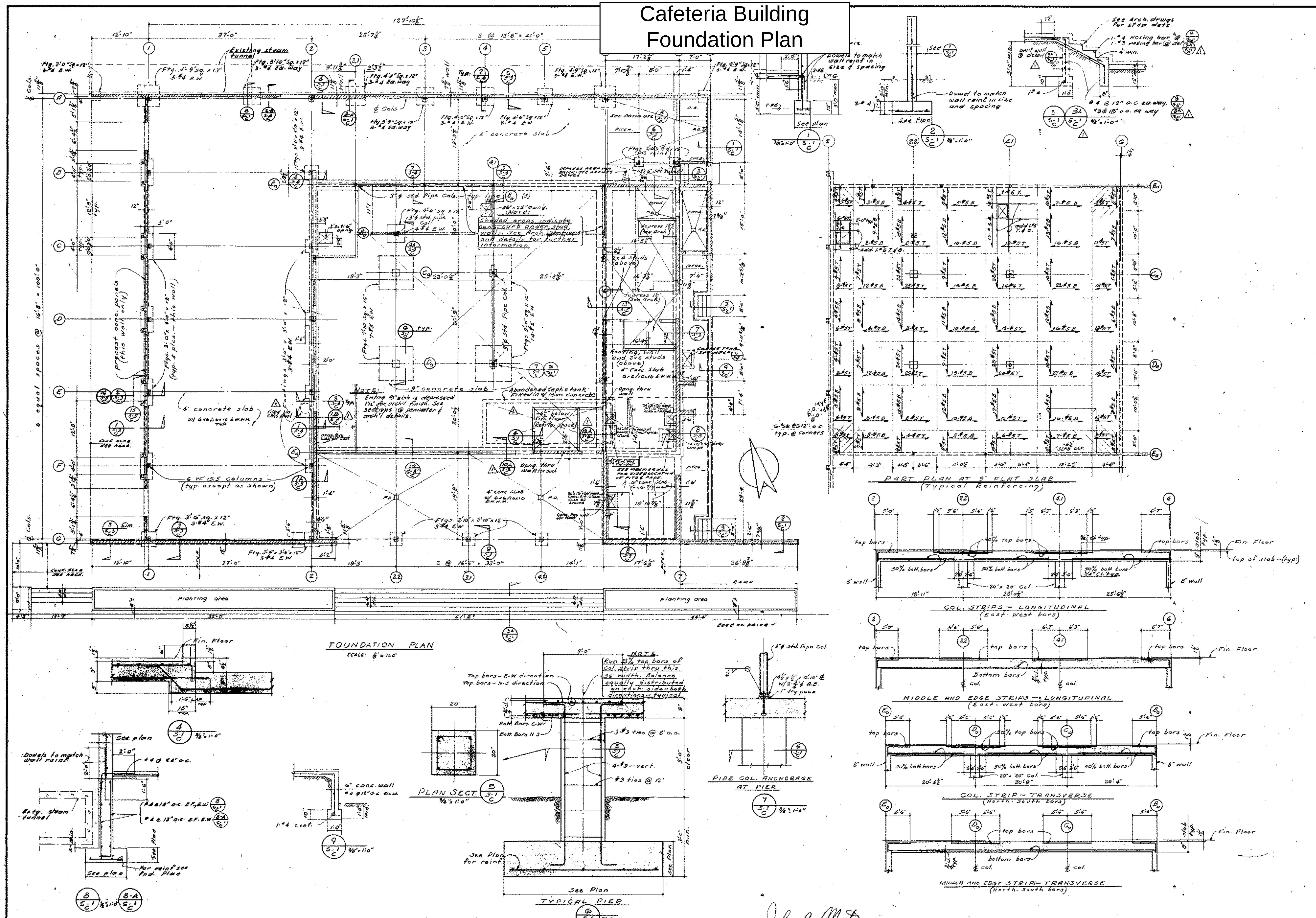
CLASSROOM BUILDING
FOUNDATION & GROUND FLOOR PLAN & DETAILS
NEW CLASSROOM, CHORAL MUSIC AND CAFETERIA BUILDINGS
FOR
JAMES A. GARFIELD HIGH SCHOOL
5101 E. 6TH STREET, LOS ANGELES 22, CALIFORNIA
PREPARED FOR THE
BOARD OF EDUCATION
LOS ANGELES UNIFIED SCHOOL DISTRICT

S-1
H
JOB NUMBER 6101

GRANGER-CHALMERS & ASSOCIATES
ARCHITECTURE PLANNING
LOS ANGELES LA JOLLA

8679-18

Cafeteria Building Foundation Plan



NO.	DATE	REVISION	BY	CK.	NO.	DATE	REVISION	BY	CK.
1	7/25/62	Cess pool, septic tank, & entrance stair revised as built	DN	JB					

AS BUILT-Aug.5.1963

JOHN A. MARTIN & ASSOCIATES
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REG. NO.

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ELECTRICAL ENGINEERS
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REG. NO.

STATE OF CALIFORNIA — DIVISION OF ARCHITECTURE
21909 APPROVED FEB 8 - 1962

SUBMITTED BY: ARCHITECT
REG. NO. C-873

DRAWN BY:
CHECKED BY:
DATE: FEB 1962

CAFETERIA BUILDING
FOUNDATION & FLOOR PLAN & DETAILS

NEW CLASSROOM, CHORAL MUSIC AND CAFETERIA BUILDINGS FOR
JAMES A. GARFIELD HIGH SCHOOL
5101 E. 6TH STREET, LOS ANGELES 22, CALIFORNIA
PREPARED FOR THE
BOARD OF EDUCATION
LOS ANGELES UNIFIED SCHOOL DISTRICT

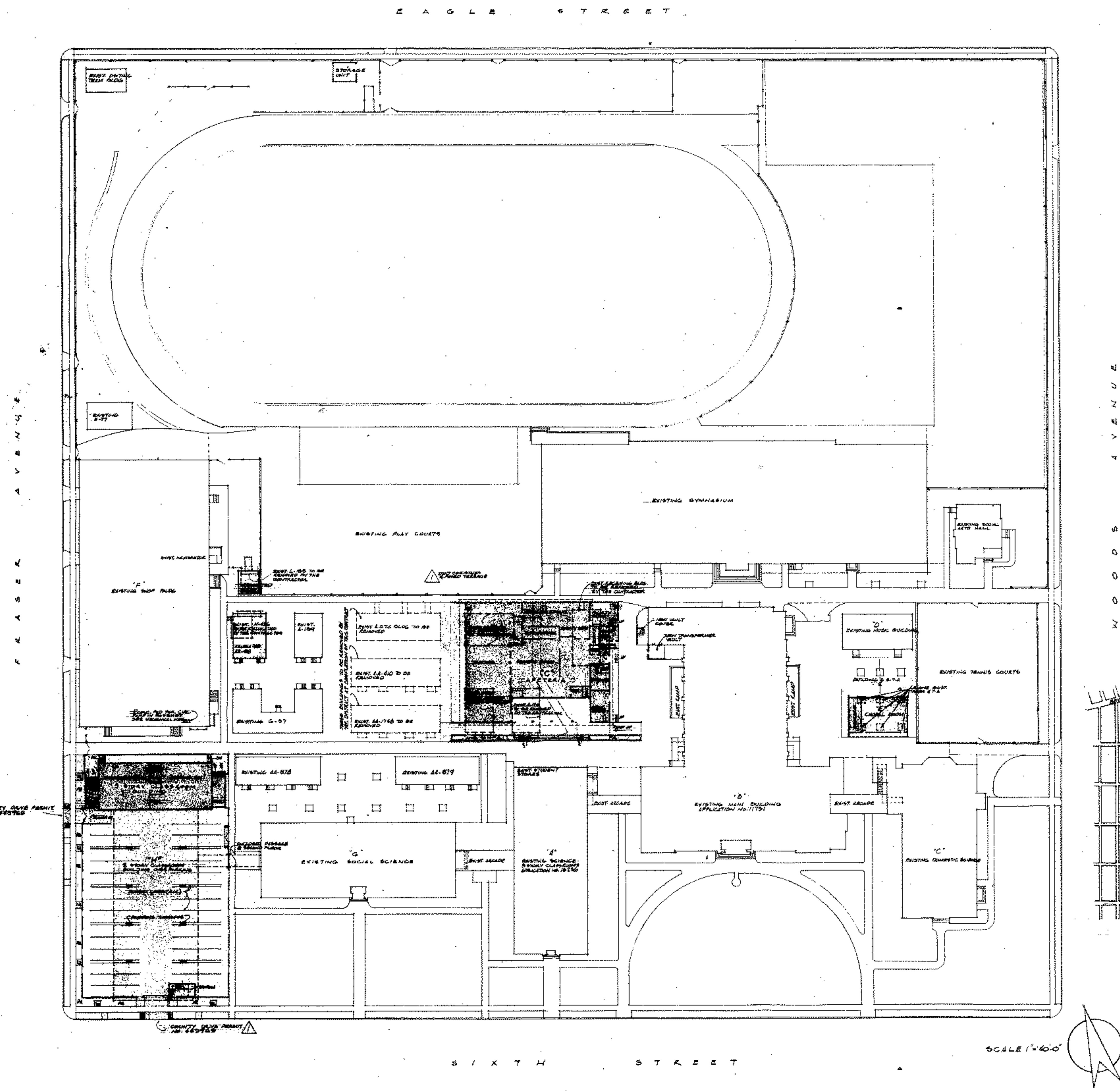
GRANGER - CHALMERS - ASSOCIATES
ARCHITECTURE PLANNING ENGINEERING
LOS ANGELES LA JOLLA

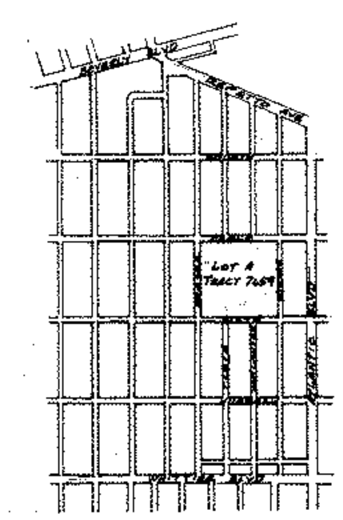
S-1 C

JOB NUMBER 6101

8679.18

Cafeteria Building Location Map





SITE VICINITY PLAN
SCALE - 1" = 100'-0"

SPECIAL NOTE: FOR USE OF STATE DIVISION OF ARCHITECTURE.
ALL EXISTING BUILDINGS NOT NOTED WITH STATE APPLICATION NUMBER, DO NOT HAVE THE APPROVAL OF THE STATE DIVISION OF ARCHITECTURE.

GENERAL NOTES

A- ALL DATA PERTAINING TO EXISTING CONDITIONS WAS TAKEN FROM THE FOLLOWING BOARD OF EDUCATION RECORD DRAWINGS, DATED:
1. MAY, 1944 - PLOT PLAN SHOWING PRESENT BUILDINGS
2. OCT., 1959 - GROUND IMPROVEMENTS
3. APRIL, 1957 - PART PLOT PLAN
4. FEB., 1956 - DRAINAGE IMPROVEMENTS
5. JAN., 1954 - PART PLOT PLAN
6. JULY, 1950 - SPRINKLER PLAN
7. AUG., 1948 - PART PLOT PLAN
8. JULY, 1947 - GROUND IMPROVEMENTS
9. MAY, 1947 - GROUND IMPROVEMENTS
10. JULY, 1943 - PART PLOT PLAN
11. AUG., 1929 - SEWER CONNECTIONS
12. JUNE, 1925 - PIPING PLAN
13. JAN., 1926 - GRADING PLAN ; CONTRACTOR TO VERIFY ALL CONDITIONS & DATA AND NOTIFY THE ARCHITECT, IN WRITING, OF ANY AND ALL VARIATIONS, DESCREPANCIES, ETC. THAT AFFECT HIS (THE CONTRACTOR) WORK BEFORE PROCEEDING WITH THE WORK.

B- SEE ADDITIONAL GENERAL NOTES ON SHEET A-3-S

C- ALL CONCRETE BLOCK TO BE 8"x4"x16" ; 8"x4"x12" ; OR 12"x4"x16" UNITS
ALL WALLS TO HAVE 2" HIGH SOLID CAP COURSE

SYMBOLS

A-1 / H — SHEET NUMBER
- NUMBER OF SHEET
- BUILDING DESIGNATION: S = SITE WORK; H = CLASSROOM BUILDING; E = CHORAL MUSIC BUILDING; C = CAFETERIA BUILDING
- A = ARCHITECTURAL, S = STRUCTURAL, ETC. SEE SHEET A-1/S

ROOM NUMBER DESIGNATION (STORAGE / H-102)
- ROOM FUNCTION
- ROOM NUMBER
- FLOOR DESIGNATION 2 = 2ND; 3 = 3RD; 4 = ROOF
- BUILDING DESIGNATION

DETAIL OR SECTION SYMBOL
- DETAIL CALLOUT LETTER
- SHEET NUMBER
- BUILDING DESIGNATION

SUB-DETAIL SYMBOL

DOOR NUMBER SYMBOL
- DOOR NUMBER
- FLOOR DESIGNATION
- BUILDING DESIGNATION

WINDOW NUMBER SYMBOL
- WINDOW NUMBER
- SHEET NUMBER (DETAIL)

INTERIOR ELEVATION SYMBOL
- NUMBER OF ELEVATION
- NUMBER OF SHEET WHERE ELEVATION IS DRAWN

WALL SYMBOLS
- POURED CONCRETE
- PRECAST CONCRETE
- BLOCK WALL
- STUD & PLASTER - LARGE SCALE } METAL STUD
- STUD & PLASTER - SMALL SCALE } METAL STUD
- WOOD STUD & PLASTER

ABBREVIATIONS

ABT.	ABOUT
ACOUST.-AC.	ACOUSTIC
ADJ.	ADJACENT
ALUM.	ALUMINUM
A.B.	ANCHOR BOLT
A.C.	ASPHALTIC CONCRETE
A.T.	ASPHALT TILE
BM.	BEAM
BTWN	BETWEEN
BLK.	BLOCK
BLK'G	BLOCKING
BD	BOARD
CAB	CABINET
C.I.	CAST IRON
CLG.	CEILING
CEM.	CEMENT
CER. TILE	CERAMIC
C.L.F.	CHAIN LINK FENCE
C.B.	CHALKBOARD
CH.	CHECK
CLR.-CL.	CLEAR
COL.	COLUMN
COMM.	COMMUNICATION
COMPO	COMPOSITION
COMP.	COMPOUND
CONC.	CONCRETE
C.O.	CONCRETE OPENING
COND.	CONDUIT
CONT	CONTINUOUS
C.J.	CONTROL JOINT
CSK.	COUNTERSINK
CONTR.	CONTRACTOR
DTL.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
D.W.	DISH WASHER
DN.	DOWN
D.S.	DOWNSPOUT
D.C.	DOUBLE COMPARTMENT
DWGS.	DRAWINGS
D.F.	DRINKING FOUNTAIN
EA.	EACH
ELEC.	ELECTRICAL
ELEV.-EL.	ELEVATION
ENCL.	ENCLOSURE
EQ.	EQUAL
EXH.	EXHAUST
EXIST.	EXISTING
EXP. JT.-E.J.	EXPANSION JOINT
EXP.	EXPOSED
EXT.	EXTERIOR
F.O.	FACE OF
F.O.B.	FACE OF BLOCK
F.O.C.	FACE OF CONCRETE
F.O.P.	FACE OF PLASTER
F.O.S.-F.S.	FACE OF STUDS
FIN.	FINISH
F.FL.	FINISH FLOOR
F.A.	FIRE ALARM
F.E.C.	FIRE EXTINGUISHER CABINET
F.H.C.	FIRE HOSE CABINET
F.H.W.S.	FLAT HEAD WOOD SCREW
FLR.-FL.	FLOOR
F.D.-FL.DR.	FLOOR DRAIN
F.S.	FLOOR SINK
FRMG.	FRAMING
FURR.	FURRING
F.H.M.S.	FLAT HEAD MACHINE SCREW
GALV.	GALVANIZED
G.I.	GALVANIZED IRON
GAR. DISP.	GARBAGE DISPOSAL
GA.	GAUGE
GR.	GRADE
GRD	GUARD
GYP. BD.	GYPSUM BOARD
HARDW'D.-HW.-HW'D.	HARDWOOD
HTG.	HEATING
HT.	HEIGHT
I.D.	INSIDE DIMENSION
INSUL	INSULATION
INT.	INTERIOR
JTS.	JOISTS
K.C.	KEENE'S CEMENT
LAM.	LAMINATED
LAV.-L-LAVA	LAVATORY
MACH	MACHINE
M.S.	MACHINE SCREW
M.O.	MASONRY OPENING
MAX.	MAXIMUM
MECH	MECHANICAL
MTL.-MET.	METAL
M.G.S.	METAL GREASE SHD
M.L.&P.	METAL LATH & PLASTER
M.P.S.	METAL PLASTER STOP
MIN.	MINIMUM
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
O.C.	ON CENTER
OPN'G	OPENING
OPP. HD.	OPPOSITE HAND
OUT.	OUTLET
O.H.W.S.	OVAL HEAD WOOD SCREW
O.A.	OVER ALL
PART'N	PARTITION
PED.	PEDESTAL
PLAS.	PLASTER
PL.	PLATE
PLYW'D	PLYWOOD
POL. PL.	POL. PL.
Q.T.	QUARRY TILE
R.-RAD.	RADIUS
REF.	REFERENCE
REIN.	REINFORCING
REQ'D.	REQUIRED
R.A.	RETURN AIR
R.	RISER
RM.	ROOM
SECT.	SECTION
SHT.	SHEET
SHT. MTL.-S.M.	SHEET METAL
SIM.	SIMILAR
S.	SINK
S.C.	SOLID CORE
SPECS	SPECIFICATIONS
SPL.	SPLICE
SQ.	SQUARE
S.S.-S.STL.-ST.STL.	STAINLESS STEEL
ST'DS.	STANDARDS
STL.	STEEL
STIFF.	STIFFENER
STRUCT.	STRUCTURAL
S.A.	SUPPLY AIR
S.W.	SIDE WALL
SW.	SWITCH
SYM.	SYMMETRICAL
T.B.	TACKBOARD
TEL.	TELEPHONE
T.W.	TOP OF WALL
TR.	TREAD
T.A.	TREE AREA
TYP.	TYPICAL
UR.	URINAL
VERT.	VERTICAL
W.D.V. BLINDS	WINDOW DARKENING VENETIAN BLINDS
WAIN.-WSCT.	WAINSCOT
W'ROBE	WARDROBE
W.G.	WIRE GLASS
WIN.	WINDOW
WIND. DIM.	WINDOW DIMENSION
@	AT
&	AND
ø	DIAMETER
#	NUMBER
±	PLUS OR MINUS
℄	CENTER LINE
∠	ANGLE
[	CHANNEL
PL	PLATE

GRANGER - CHALMERS - ASSOCIATES
ARCHITECTURE - ENGINEERING - PLANNING
LOS ANGELES - LA JOLLA

NO.	DATE	REVISION	BY	CK.
1	7-?-63	AS BUILT	RAK	

AS BUILT-Aug.5,1963

APPROVED
STATE FIRE MARSHAL
STATE OF CALIFORNIA
DATE 7-8-64

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GENERAL NOTES, SYMBOLS & ABBREVIATIONS
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LOS ANGELES UNIFIED SCHOOL DISTRICT

A-2 / S
JOB NUMBER 6101

8679-18

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Garfield High School
5101 East 6th Street,
Los Angeles, CA 90022

BINDER CONTENT:
Phase I Environmental Site Assessment
Figure 1 –Vicinity Map
Figure 2 – Site Map
Figure 3 – FEMA Map
Appendix A - Aerial Photographs
Appendix B - Photographic Log
Appendix C - Environmental Database Report
Appendix D - CDE Existing Schools Checklist

January 27, 2022 (Revised March 11, 2022)
Millennium Project No.: 12060.2005

Submitted to:
Ms. Jennifer Hilario
Los Angeles Unified School District (LAUSD)
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90046

Submitted by:

Millennium Consulting Associates
14241 E. Firestone Blvd., Ste. 300
La Mirada, CA 90638

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CONSULTING ASSOCIATES
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A MECA Consulting, Inc. Company

SoCal Office
14241 E. Firestone Blvd., Suite 300
La Mirada, CA 90638
424.293.8845

January 27, 2022

Project No. 12060.2005

Ms. Jennifer Hilario, P.G.
Los Angeles Unified School District (LAUSD)
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90017

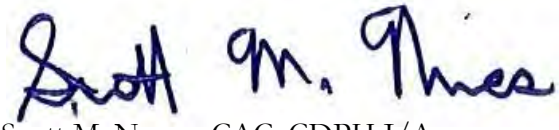
RE: P**HASE I ENVIRONMENTAL SITE ASSESSMENT**

Garfield High School
5101 East 6th Street,
Los Angeles,
California 90022

Dear Ms. Jennifer Hilario:

This document consists of the Millennium Consulting Associates, Inc. (Millennium) Phase I Environmental Site Assessment for the James. A. Garfield High School located in Los Angeles, CA. Please contact us at (424) 293-8845 should you have questions regarding this report. Millennium appreciates the opportunity to work with you on this project.

Sincerely,
MILLENNIUM CONSULTING ASSOCIATES



Scott M. Nunes, CAC, CDPH I/A
Director of Building Sciences, SoCal Division

EXECUTIVE SUMMARY

At the request of the Los Angeles Unified School District Office of Environmental Health and Safety (LAUSD OEHS), Millennium Consulting Associates (Millennium) has performed a Phase I Environmental Site Assessment (ESA) at Garfield High School located at 5101 East 6th Street, Los Angeles, CA 90022, herein referred to as the Subject Property (See Figure 1). LAUSD OEHS intends to renovate (modernization and demolition of various buildings) the school campus in various locations. The Subject Property is bound by Escuela St. and Monterey Senior High School to the north, South Woods Ave. to the east, East 6th Street to the south, and Fraser Ave. to the west. The Subject Property is surrounded primarily by residential homes and a few commercial businesses on its east side. The Subject Property has an Assessor's Parcel Number (APN) of 5248-021-901. The Subject Property is approximately 20 acres of land used as a high school campus with approximately 4.5 acres of its northern portion associated with Monterey Senior High School. The main objective of this ESA is to identify Recognized Environmental Conditions on the Subject Property. Recognized Environmental Conditions are defined in the ASTM E1527-13 Standard Practice for Environmental Site Assessments as the presence or likely presence of any hazardous substances or petroleum products that indicate an existing release, a past release, or a material threat of a release.

SITE HISTORY

The Subject Property is approximately 20 acres of land with various buildings and recreational fields including parking lots throughout. Currently the Subject Property is an active high school surrounded by residential properties with a few commercial businesses on its east side. Historical aerial photographs dating back to at least 1923 depict the subject property as undeveloped land until at least 1928, where the land is shown to have multiple structures onsite including what resembles a recreational field on its north end and undeveloped land in the remaining northern section of the property beyond the recreation field. By at least 1938, the Subject Property keeps its configuration with the addition of various buildings in its southwestern corner. By 1948 the Subject Property's configuration is unchanged with its northern most end developed into seemingly various residential buildings.

Aerial photographs dated 1952 and 1964 depict the Subject Property in its same configuration with no significant changes observed. By at least 1972, the northwest end of the Subject Property is seen to be graded to level flat land with residential homes in the northwest corner. The building footprints of various structures are modified in shape but remain in relatively the same configuration in the southwest area of the property. Aerial photographs dated 1979 and 1981 depict the Subject Property in its same configuration with no significant changes observed. By at least 1989, the residential buildings in the northwest corner of the Subject Property are shown to be removed leaving graded land with two buildings.

By at least 1994, the Subject Property's northern portion is shown to be completely graded with a several structures occupying the northwest corner and north end. Aerial photographs dated 2002, 2005, and 2009 depict the Subject Property in its same configuration as current day with the land in the northern portion becoming increasingly landscaped with grass. By at least 2012 the Subject

Property is shown in this same configuration with additional structures occupying the northwest corner and grassland now taking form of a baseball field. Aerial photographs from 2016 indicate the Subject Property in its current day configuration with no significant changes observed. Findings from the aerial photographs represent a potential REC on the Subject Property relating to the past shop buildings in the west portion of the campus, records indicate these buildings to be former autobody, printing, woodworking, electrical, and metal/welding shops.

FINDINGS

Millennium has performed a Phase I ESA in general conformance with the scope and limitations of the ASTM Standard Practice for the Subject Property. The assessment has identified the following RECs:

- 3-stage clarifier and hydraulic hoists associated with the existing autobody shop building (Building 500). A second 3-stage clarifier is located west of Building 300.
- Records/site reconnaissance identifying a former autobody shop, wood shop, printing shop, electrical shop, and metal/welding shop located on the west portion of the Subject Property
- Southern California Edison transformers located in the south end area
- Subject Property located within a City of Los Angeles Methane Buffer Zone
- Potential for organochloride pesticides, and arsenic contamination of shallow soils around drip lines of buildings resulting from the use of termiticides, herbicides, and at locations where buildings may be demolished
- The use of the ROTC building for a shooting range since approximately 1946.
- Former freight elevator and associated hoists located at the northwest corner of Building 500

RECOMMENDATIONS

Recognized Environmental Conditions were identified at the Subject Property. A Preliminary Environmental Assessment (PEA) equivalent is recommended at locations/buildings that are to be impacted by the pending modernization/demolition. The RECs are noted below:

- 3-stage clarifier and hydraulic hoists associated with the existing autobody shop building (Building 500). A second 3-stage clarifier is located west of Building 300.
- Records/site reconnaissance identifying a former autobody shop, wood shop, printing shop, electrical shop, and metal/welding shop located on the west portion of the Subject Property
- Southern California Edison transformers located in the south end area
- Subject Property located within a City of Los Angeles Methane Buffer Zone
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- The use of the ROTC building for a shooting range since approximately 1946.
- Former freight elevator and associated hoists located at the northwest corner of Building 500

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FIGURES AND APPENDICES

Figure 1 Vicinity Map

Figure 2 Site Map

Figure 3 FEMA Flood Hazard Map

Appendix A Aerial Photographs

Appendix B Photographic Log

Appendix C Environmental Database Report/Historical Reports (Topographic Maps, Sanborns)

Appendix D CDE Existing Schools Checklist

LIST OF ABBREVIATIONS AND ACRONYMS

AAI	All Appropriate Inquiries
ACRES	Assessment, Cleanup, and Redevelopment Exchange System
AIRS	Aerometric Information Retrieval System Facility Subsystem
APN	Assessor's Parcel Number
ARB	Air Resources Board
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials (formerly), now ASTM International
AULs	Activities and Use Limitations
bgs	Below Ground Surface
BRS	Biennial Reporting System
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
Cal/EPA	California Environmental Protection Agency
CCC	California Coastal Commission
CDL	Clandestine Drug Lab
CERLCA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CERS	California Environmental Reporting System
CESQG	Conditionally Exempt Small Quantity Generator
CFR	Code of Federal Regulations
CHMIRS	Hazardous Materials Information Reporting System
COPCs	Chemicals of Potential Concern
CORRACTS	Corrective Action Reports (RCRA)
CUPA	Certified Unified Program Agencies
CWA	Clean Water Act
DGS	Department of General Services
DPR	Department of Pesticide Regulation
DPW	Department of Public Works
DSMOA	Defense and State Memorandum of Agreement
DTSC	California Department of Toxic Substances Control
ECHO	Enforcement & Compliance History Online
EDR	EDR Corporation
EPCRA	Emergency Planning and Community Right-to-Know Act
EPP	Environmental Protection Provision
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FIRM	Flood Insurance Rate Map
FOST	Finding of Suitability to Transfer
FTTS	FIFRA/TSCA Tracking System
FUDS	Formerly Used Defense Sites
FUSRAP	Formerly Utilized Sites Remedial Action Program
gal	Gallon
HMIRS	Hazardous Materials Information Reporting System
HMTA	Hazardous Materials Transportation Act of 1974

HSA	Historical Site Assessment
HSWA	Hazard and Solid Waste Amendments
ICIS	Integrated Compliance Information System
LBP	Lead Based Paint
LDS	Land Disposal Sites
LLP	Landowner Liability Protection
LOP	Local Oversight Program
LQG	Large Quantity Generator (RCRA)
LUCIS	Land Use Control Information System
LUST	Leaking Underground Storage Tank
MGP	Manufactured Gas Plant
MLTS	Material Licensing Tracking System
MTBE	Methyl Tertiary-Butyl Ether
NPDES	National Pollutant Discharge System
NFA	No Further Action
NFRAP	No Further Remedial Action Planned
NPL	National Priority List
NR	Not Recorded
NRC	Nuclear Regulatory Commission
NRCS	Natural Resource Conservation Service
NWI	National Wetlands Inventory
OES	Office of Emergency Services
ODI	Open Dump Inventory
OMS	Organizational Maintenance Shop
OSHA	Occupational Safety and Health Administration
PADS	PCB Activity Database System
PCB	Polychlorinated Biphenyl
PRG	Preliminary Remediation Goal
PRP	Potentially Responsible Party
RAATS	RCRA Administrative Action Tracking System
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RMP	Risk Management Plan
ROD	Record of Decision
sf	Square Feet
SARA	Superfund Amendments and Reauthorization Act
SEMS	Superfund Enterprise Management System
SLIC	Spills, Leaks, Investigations, and Cleanup
STATSGO	State Soil Geographic Database
SP	Subject Property
SQG	Small Quantity Generator (RCRA)
SSTS	Section 7 Tracking Systems
SWAT	Solid Waste Assessment Test
SWEEPS	Statewide Environmental Evaluation and Planning System
SWF/LF	Solid Waste Facilities/Landfill Sites
SWRCB	State Water Resources Control Board
TCE	Tetrachloroethylene
TPCA	Toxic Pits Cleanup Act of 1984

TRIS	Toxic Chemical Release Inventory System
TRPH	Total Recoverable Petroleum Hydrocarbons
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage, or Disposal
TPH	Total Petroleum Hydrocarbons
TPH-d	Total Petroleum Hydrocarbons as Diesel
TPH-g	Total Petroleum Hydrocarbons as Gasoline
UIC	Underground Injection Control
UMTRA	Uranium Mill Tailings Remedial Action
UNOCAL	Union Oil Company of California
USACE	United States Army Corp of Engineers
USDOD	United States Department of Defense
USDOE	United States Department of Energy
USDOL	United States Department of Labor
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program
VMF	Vehicle Maintenance Facility
WMUDS	Waste Management Unit Database System

1.0 INTRODUCTION

This report presents the findings of a Phase I Environmental Site Assessment (Phase I ESA) conducted by Millennium Consulting Associates (Millennium) for the Los Angeles Unified School District Office of Environmental Health and Safety's James A. Garfield High School located at 5101 East 6th Street, Los Angeles, California. The general location of the Subject Property is shown in Figure 1 (Vicinity Map). This work was performed for the LAUSD OEHS.

1.1. Purpose

This Phase I ESA was prepared in general accordance with the ASTM E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessments (ASTM Standard Practice). The ASTM Standard Practice is in general compliance with the 40 CFR Part 312 rule entitled, "Standards and Practices for All Appropriate Inquiries: Final Rule" (AAI Rule). The purpose of this Phase I ESA is to identify Recognized Environmental Conditions (RECs) at the Subject Property. The term Recognized Environmental Conditions is defined in the ASTM Standard Practice as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not Recognized Environmental Conditions.

Millennium is performing this Phase I ESA to assist the LAUSD OEHS in identifying RECs at the Subject Property. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for Recognized Environmental Conditions at the Subject Property.

1.2. Scope of Work

As discussed in the statement of work, the scope of work performed by Millennium included the following activities:

- Perform a review of available environmental records and Freedom of Information Act (FOIA) requests for information of existing of existing or potential environmental conditions on, in, under, or near the Subject Property.
- Perform a search of Federal, State, and local regulatory agency electronic databases which identifies locations that are regulated under various laws, notably CERCLA, RCRA, and the Toxic Substances Control Act (TSCA). It also identifies locations where a release of hazardous substances has occurred or is suspected
- Perform a review of available historical maps and photographs for information of existing or potential environmental conditions on, in, under, or near the Subject Property.
- Perform an on-site and surrounding land use site reconnaissance visit to determine current conditions at the Subject Property and at adjacent properties.
- Conduct interviews with local and state officials, current and/or past owners and/or occupants of the Subject Property.
- Prepare a comprehensive written Phase I ESA report summarizing our findings and recommendations.

- Additional tasks to be completed as texts or appendices to the Phase I ESA include:
    - Define site and surrounding zoning classifications and describe surrounding land use (include site photos in report photo log as Appendix B)
    - Describe in the report text any wetlands and floodplains concerns.
    - Describe in the report radon potential with recommendations and conclusions.
    - Describe in the report text vapor intrusion (VI) potential with recommendations and conclusions.
    - Describe in the report text the presence of high-voltage power lines (<100-ft from the Subject Property boundary) with recommendations and conclusions.

1.3. Special Terms and Conditions

This Phase I ESA was conducted in general accordance with the ASTM Standard Practice. There are no additional special terms or conditions associated with this report, with the exception of flood plains.

1.4. Environmental Professional

This Phase I ESA was performed by Millennium under the management and direction of Scott Nunes, who meets the qualification requirements of an Environmental Professional as described in the ASTM Standard Practice and the AAI Rule based on professional licensing, education, training, and experience to assess a property's environmental conditions and to assess the potential liability for any contamination.

1.5. Organization

This Phase I ESA report is organized into eight sections. Section 1 provides an introduction and identifies specific objectives. Section 2 provides a description of the Subject Property, including zoning and land use discussion, current and past uses of the property, information regarding site geology, hydrogeology, and topological information. Section 3 provides information gained from the site reconnaissance visits. Section 4 describes the results of the environmental records review. Section 5 presents our findings and opinions. Section 6 presents our conclusions and recommendations about on- and off-site conditions. Section 7 provides a summary of environmental records, and the signature of the report preparer and Section 8 provides a list of references used in the generation of the report. Backup material such as additional forms and questionnaires, photographic log, environmental database report, and resumes for the report preparer are provided as Appendices.

2.0 SUBJECT PROPERTY LOCATION AND PHYSICAL DESCRIPTION

2.1. Methane

According to the City of Los Angeles Planning Department's ZIMAS interactive mapping tool (http://zimas.lacity.org) accessed on (January 17th, 2022), the school property is identified as or within a Methane Hazard site.

2.2. Location and Description, Including Zoning and Land Use Discussion

The Subject Property is located at 5101 East 6th Street, Los Angeles. The Subject Property is currently an approximately 20-acre parcel of land currently utilized as a high school campus. Figure 1 provides a general location map of the Subject Property and Figure 2 provides a general site map of the Subject Property. Table 1 describes the physical location and ownership of the Subject Property. Per EDR's Environmental Lien and AUL Search report, the Subject Property title is currently vested in the Los Angeles Unified School District.

Table 2-1 – Subject Property Information

Subject Property Name and Addresses:	Garfield High School, 5101 East 6th Street, Los Angeles, CA
Current Occupants:	Los Angeles Unified School District
Land Use:	Commercial
Zoning	SP (Specific Plan) (City of Los Angeles, Planning Department)
County, State:	Los Angeles County, State of California
USGS Quadrangle(s):	15-Minute Los Angeles, 15-Minute Pasadena, 7.5-Minute Los Angeles, and 7.5-Minute Alhambra
Latitude/Longitude:	34.0270260 - 34ˆ 1' 37.29" N and 118.1580870 - 118ˆ 9' 29.11" W
Assessor's Parcel Numbers:	5248-021-901 (LA County Assessor)

2.3. Site and Vicinity Characteristics

The Subject Property is approximately 20 acres of land currently utilized as a high school campus. The Subject Property is bound by Escuela St. and Monterey Senior High School to the north, South Woods Ave. to the east, East 6th Street to the south, and Fraser Ave. to the west. The Subject Property is surrounded primarily by residential homes and a few commercial businesses on its east side. The Subject Property APN (5248-021-901) is owned by LAUSD. The Subject Property is in a residential area (the Subject Property is zoned as SP, defined as a Specific Plan Area in the City of Los Angeles).

2.4. Current and Past Uses of the Property

Historical records dating back to at least 1923 shows the Subject Property as undeveloped land with no signs of infrastructure until at least 1928, where it is associated with James A. Garfield High School. Between 1928 and current day, the Subject Property has been associated with James A. Garfield High School.

2.5. Current and Past Uses of Adjoining Properties

Based on the review of the historical information available, as early as 1923, the Subject Property is surrounded by undeveloped land up until at least 1928, where residential infrastructure is shown to

occupy the land on the south and west sides of the Subject Property, with undeveloped land existing on the north and east sides. By at least 1938, the surrounding residential and commercial areas further develop and increase in density up to present day on all sides of the Subject Property, with the Monterey Adult Education being developed directly north adjacent to the Subject Property approximately around 2015 according to topographic maps.

2.6. Geology

The Subject Property is 218 feet above sea level (United States Geological Survey [USGS] Topographic Map, Los Angeles, California, 2018). The subject property is located within the Los Angeles Basin in a relatively low-lying area filled with unconsolidated alluvial fan deposits. The soil at the Subject Property consists of wet moderately well-drained soil of silty clay loam. Regional geologic mapping designates the level area of the Subject Property as alluvium from the early Holocene and late Pleistocene (Division of Mines and Geology, Geologic Map of California, 2010).

2.7. Hydrogeology

The Subject Property is located within the Los Angeles Basin within the California Coastal Basin Aquifer (American Geosciences Institute, 2022). The soils presented at the Subject Property have moderate infiltration rates. The surrounding area of the Subject Property has been improved by grading. Surface water flow is controlled by the existing grading and pavement systems. Storm water is primarily controlled by existing surface topography and storm water collection devices (area drains). Runoff water is generally expected to flow south-southwest on the Subject Property (United States Geological Survey (USGS Topographic Map, Los Angeles, 2018). Ground water is expected to flow to the south, in line with general topographic gradient. According to Geotracker well data of adjacent properties within 0.25 miles of the Subject Property, the general movement of groundwater beneath the Subject Property would be expected to flow south. Depth to groundwater is estimated to be 170-180 feet below ground surface.

2.8. Earthquake/ Faults/Seismicity

Per the published Earthquake Fault Zone maps prepared by the California Geological Survey, the Subject Property is not located within an earthquake fault zone. The closest active fault is the East Montebello Fault, located approximately 3.5 miles east of the Subject Property. The slip rate of this right lateral, well constrained fault is unspecified. The presence and location of this fault does not pose a threat to the Subject Property.

2.9. Landslides

The Subject Property is not located within a landslide hazard zone. The site is also not located within an earthquake-induced landslide area since the site is relatively level and the flat site topography limits this potential risk (USGS U.S. Landslide Inventory, 2022).

2.10. Historical Topographic Maps

Millennium reviewed the United States Geological Survey (USGS) Los Angeles Quadrangle maps covering the Subject Property (dated 2018). The Subject Property is at an elevation of approximately

218 feet above sea level. The site is generally flat and the general topographic gradient surrounding the site slopes toward the south.

Information regarding the history of the Subject Property was obtained by reviewing 14 historical topographic maps received from EDR (see Appendix C). The maps reviewed are dated as follows:

- 1894 Los Angeles (15-Minute)
- 1896 Pasadena (15-Minute)
- 1900 Pasadena/Los Angeles (15-Minute)
- 1924 Alhambra (7.5-Minute)
- 1926 Alhambra (7.5-Minute)
- 1953 Los Angeles (7.5-Minute)
- 1966 Los Angeles (7.5-Minute)
- 1972 Los Angeles (7.5-Minute)
- 1981 Los Angeles (7.5-Minute)
- 1994 Los Angeles (7.5-Minute)
- 2012 Los Angeles (7.5-Minute)
- 2015 Los Angeles (7.5-Minute)
- 2018 Los Angeles (7.5-Minute)

Land use associated with James A. Garfield High School was depicted at the Subject Property from 1953 onward according to topographic maps, however, the campus was known to exist on the Subject Property from as far back as at least 1928 by aerial photographs.

2.11 Sanborn Maps

Millennium reviewed the Sanborn Maps on the Subject Property (dated 1928 – 1966, see Appendix C). Review of the 1928 Sanborn Map shows the Subject Property associated as current day James A. Garfield High School. The 1928 Sanborn depicts the high school consisting of the Auditorium in the southern half center of the property adjacent to two structures on the east and west wings labeled as "fireproof walls & stairs to attic". On the east side of the property there is a shop building with four classroom structures between the shop and auditorium. Behind the auditorium exists two separate gymnasiums, boys on the west side and girls on the east side with the far north end of the property having bleachers and a grandstand. Two additional structures are shown in the upper northwest corner.

The 1948 Sanborn depicts the Subject Property in its same configuration with additional structures developed. An additional structure labeled "science" is shown attached to the west wing of the building adjacent to the auditorium, with additional classroom buildings and a structure labeled "ROTC Headquarters" occupying the area between the shop and auditorium structures. The

gymnasiums are combined into a single larger gymnasium building north of the auditorium, with the remaining northern half of the property remaining similar in configuration as the 1928 Sanborn.

The 1966 Sanborn depicts the Subject Property with many more classroom structures now existing in the southwest corner of the property with the shop building now divided into a wood shop, sheet metal shop, auto shops, print shop, electrical shop, and heavy metal shop and welding. A cafeteria structure is now located between the classrooms and auditorium building with the ROTC Headquarters removed and replaced with classroom buildings. A music hall now occupies the east end of the auditorium building and an additional classroom structure occupying the northeast corner. The northwest corner structures are now removed and replaced with an athletic field. Potential RECS were noted on or around the Subject Property from the review of the Sanborn Maps from the historical presence of auto body shop, woodworking shop, electrical shop, heavy metals welding shop, and paint shop buildings.

2.12 Surface Water Bodies (Wetlands, Streams, and Ponds)

No surface water bodies are located within a mile of the Subject Property.

2.13 Wetlands

According to the National Wetlands Inventory, no wetlands exist in proximity to the Subject Property. The Subject Property is not within a designated wetlands area, nor would its redevelopment or continued use as-is, be anticipated to impact nearby wetlands.

2.14 Floodplains

A review of the FEMA flood zone map indicates that the Subject Property is listed under zone X. This means that the Subject Property is located within an area with a 0.2% annual chance of flood. This area has been designated a minimal flood hazard area. No part of the Subject Property is located within the 100-year or 500-year flood plain (see Figure 3). The flood zone designation does not represent a REC at the Subject Property.

2.15 Radon

The Subject Property is located within a EPA Radon Zone 2 area (California Geologic Survey Radon Potential Zone Map prepared for the California Department of Health Services Environmental Health Division). No radon sampling results were available for the Subject Property. Based upon its location in the EPA Radon Zone 2 and slab-on-grade construction, radon is not expected to represent a REC at the Subject Property.

3.0 INFORMATION FROM SITE RECONNAISSANCE AND INTERVIEWS

On December 15, 2021, Millennium completed a site visit of the Subject Property accompanied by Ms. Jennifer Hilario of LAUSD OEHS and Carlos Velez, Plant Manager of Garfield High School. A photolog documenting observations during the site visit (see Appendix A). Mr. Velez was unaware of any environmental concerns on the Subject Property.

3.1. User Provided Information

Historical plans provided by Ms. Jennifer Hilario of LAUSD OEHS, dated as far back as 1943. These plans were reviewed for features such as cut/fill grading, oil wells, catch basins, sump drainages, etc. No significant environmental concerns were noted, with the exception of the following:

- A plan from July 1950 indicated hydraulic hoists were located in the existing auto body shop.
- The former wood shop, print shop, and heavy metal shop were located on the west side.

3.2. Storage Tanks and Drum Storage

Fuel drums and used oil drums were observed on the Subject Property in a concrete structure near the Plant Manager building and outside Building 500. No leaks or staining were observed.

3.3. Hazardous Substances, Petroleum Products, Oil Wells

Various chemical storages exist in various buildings were observed on the Subject Property near the Plant Manager Building (paint storage), Building 200 (chemistry chemicals), and Building 500 (inside and outside the Auto Body Shop, including compressed gas cylinders). Due to proper storage and secondary containments within storage areas, no existing stores of chemicals or fuels onsite are anticipated to impact the subject property.

In addition, according to DOGGR Well Finder database, there were no oil wells within a mile radius of the Subject Property.

3.4. Used Oil Management

Oil storage drums (waste motor oil and coolant) were observed at the Subject Property in the existing auto body shop yard. No stains or spills were observed.

3.5. Pesticides, Herbicides

Herbicides and pesticides were not observed at the Subject Property. No spills or stains were observed onsite.

3.6. Unidentified Substance Containers

No containers of unidentified substances were observed at the Subject Property.

3.7. Air Quality

No major air quality concerns were observed at the Subject Property.

3.8. Potable Water Supply Wells

No potable water supply wells were observed at the Subject Property. According to the Geotracker website, the nearest public water supply well is approximately 0.5 miles to the northeast.

3.9. Wastewater

No wastewater was observed at the Subject Property.

3.10. Storm Water

No storm water drains were identified during the site reconnaissance.

3.11. Sewage Disposal Systems; Septic Systems

No sewage disposal systems or septic systems were observed at the Subject Property. The property is connected to city water and wastewater services.

3.12. Drains, Sumps, Pits

Two 3-stage clarifiers were identified during site reconnaissance (one in the auto shop yard and the other in the outdoor quad area on the west side of Building 300), as well as multiple hydraulic lift hoists within the auto shop classroom (Building 500). In addition, a former freight elevator and associated hoists is located at the northwest corner of Building 500.

3.13. Solid Waste

No solid waste was observed on the Subject Property. Solid waste does not represent a REC at the Subject Property.

3.14. Transformers and PCB Containing Equipment

Two transformers and six utility poles were observed on the Subject Property. Their presence on the Subject Property poses no apparent impacts to the site.

3.15. Stained Soils, Stains, Stressed Vegetation

No stained soils or stressed vegetation was observed at the Subject Property.

3.16. Odors, Pools of Liquids

No odors or pools of liquids were observed on the Subject Property.

3.17. Vapor Intrusion

Vapor intrusion was not identified as a concern as no RECs were observed. Further, the existing space is slab-on-grade, with a clean fill cover and predominantly pavement, and the water supply is public, thus helping to prevent any vapor intrusion concerns.

3.18. Indoor Air Quality/Mold/Water Intrusion

The Subject Property appears to be in good condition from visible inspection. Indoor air quality, mold, and water intrusion is not identified as a concern.

3.19. Asbestos

Asbestos testing/sampling was not performed as part of this assessment (not part of the scope of work) and is a Non-Scope Issue as defined in ASTM 1527-15 Phase I Environmental Site Assessment Guidelines.

3.20. Lead-Based Paint

Lead-Based Paint testing/sampling was not performed as part of this assessment (not a part of the scope of work) and is a Non-Scope Issue as defined in ASTM 1527-15 Phase I Environmental Site Assessment Guidelines.

3.21. Electromagnetic Radiation

No high voltage power lines were observed at or within 100 feet of the Subject Property.

3.22. Lead in Drinking Water

A lead in drinking water survey was not requested.

3.23. Compliance Issues

No compliance issues were identified.

3.24. Summary of Findings from Aerial Photographs

Historical aerial photographs dating back to at least 1923 (see Appendix A) depict the Subject Property as undeveloped land until at least 1928, where the land is shown to have multiple structures onsite, including what resembles a recreational field on its north end and undeveloped land in the remaining northern section of the property beyond the recreation field. By at least 1938, the subject property keeps its configuration with the addition of various buildings in its southwestern corner. By 1948 the Subject Property's configuration is unchanged with its northern most end developed into seemingly various residential buildings.

Aerial photographs dated 1952 and 1964 depict the Subject Property in its same configuration with no significant changes observed. By at least 1972, the northwest end of the Subject Property is seen to be graded to level flat land with residential homes in the northwest corner. The building footprints of various structures are modified in shape but remain in relatively the same configuration in the southwest area of the property. Aerial photographs dated 1979 and 1981 depict the Subject Property in its same configuration with no significant changes observed. By at least 1989, the residential buildings in the northwest corner of the Subject Property are shown to be removed leaving graded land with two buildings.

By at least 1994, the Subject Property's northern portion is shown to be completely graded with a couple structures occupying the northwest corner and north end. Aerial photographs dated 2002, 2005, and 2009 depict the Subject Property in its same configuration as current day with the land in the northern portion becoming increasingly grassier. By at least 2012 the Subject Property is shown in this same configuration with additional structures occupying the northwest corner and grassland

now taking form of a baseball field. The 2016 photographs indicate the property in its current day configuration with no significant changes observed.

4.0 RECORDS REVIEW

4.1. Standard Federal, State, and Tribal Environmental Records

A records review of the standard environmental databases maintained by federal, state, and tribal offices was performed by EDR. The databases were searched for properties with reported environmental conditions located within the approximate minimum search distances as specified by the ASTM Standard Practice. This was done by using geocoded information that identified the coordinates of the properties in the databases or by checking the street addresses of practically reviewable non-geocoded "orphan" properties within the same zip code. For the purposes of the records review, the specified search distances are from the property lines of the Subject Property. The EDR report is presented as Appendix G. The following table provides a summary of the findings of the environmental records review.

Table 4-1 - Review of Standard Federal, State, and Tribal Environmental Records

DATABASE REFERENCE	SEARCH RADIUS (miles)	SUBJECT PROPERTY	SURROUNDING/ADJOINING PROPERTIES	REC
STANDARD ENVIRONMENTAL RECORDS				
Federal NPL site list				
NPL	1.00	Not Listed	0 Listed	-
Proposed NPL	1.00	Not Listed	0 Listed	-
NPL LIENS	1.00	Not Listed	0 Listed	-
Federal Delisted NPL Site List				
Delisted NPL	1.00	Not Listed	0 Listed	-
Federal CERCLIS List				
FEDERAL FACILITY	0.50	Not Listed	0 Listed	-
SEMS	0.50	Not Listed	0 Listed	-
Federal CERCLIS NFRAP Site List				
SEMS-ARCHIVE	0.50	Not Listed	0 Listed	-
Federal RCRA CORRACTS Facilities List				
CORRACTS	1.00	Not Listed	0 Listed	-
Federal RCRA non-CORRACTS TSD Facilities List				
RCRA-TSDF	0.50	Not Listed	0 Listed	-
Federal RCRA Generators List				
RCRA-LQG	0.25	Not Listed	3 Listed	No
RCRA-SQG	0.25	Listed	5 Listed	No
RCRA-VSQG	0.25	Not Listed	0 Listed	-
Federal Institutional Controls / Engineering Controls Registries				
LUCIS	0.50	Not Listed	0 Listed	-
US ENG CONTROLS	0.50	Not Listed	0 Listed	-
US INST CONTROL	0.50	Not Listed	0 Listed	-
Federal ERNS List				
ERNS	0.001	Not Listed	0 Listed	-
State and Tribal-Equivalent NPL				
RESPONSE	1.00	Not Listed	0 Listed	-
State and Tribal-Equivalent CERCLIS				
ENVIROSTOR	1.00	Not Listed	7 Listed	No

DATABASE REFERENCE	SEARCH RADIUS (miles)	SUBJECT PROPERTY	SURROUNDING/ADJOINING PROPERTIES	REC
State and Tribal Landfill and/or Solid Waste Disposal Site Lists				
SWF/LF	0.50	Not Listed	0 Listed	-
State and Tribal Leaking Storage Tank Lists				
LUST	0.50	Not Listed	14 Listed	No
INDIAN LUST	0.50	Not Listed	0 Listed	-
CPS-SLIC	0.50	Not Listed	1 Listed	No
State and Tribal Registered Storage Tank Lists				
FEMA UST	0.25	Not Listed	0 Listed	-
UST	0.25	Not Listed	18 Listed	No
AST	0.25	Not Listed	0 Listed	-
INDIAN UST	0.25	Not Listed	0 Listed	-
State and Tribal Voluntary Cleanup Sites				
VCP	0.50	Not Listed	0 Listed	-
INDIAN VCP	0.50	Not Listed	0 Listed	-
State and Tribal Brownfields Sites				
BROWNFIELDS	0.50	Not Listed	0 Listed	-
ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield Lists				
US BROWNFIELDS	0.50	Not Listed	2 Listed	No
Local Lists of Landfill / Solid Waste Disposal Sites				
WMUDS/SWAT	0.50	Not Listed	0 Listed	-
SWRCY	0.50	Not Listed	1 Listed	No
AOCONCERN	1.00	Not Listed	1 Listed	No
HAULERS	0.001	Not Listed	0 Listed	-
INDIAN ODI	0.50	Not Listed	0 Listed	-
DEBRIS REGION 9	0.50	Not Listed	0 Listed	-
ODI	0.50	Not Listed	0 Listed	-
IHS OPEN DUMPS	0.50	Not Listed	0 Listed	-
Local Lists of Hazardous Waste / Contaminated Sites				
US HIST CDL	0.001	Not Listed	0 Listed	-
HIST Cal-Sites	1.00	Not Listed	0 Listed	-
SCH	0.25	Not Listed	1 Listed	No
CDL	0.001	Not Listed	0 Listed	-
Toxic Pits	1.00	Not Listed	0 Listed	-
CERS HAZ WASTE	0.25	Listed	9 Listed	No
US CDL	0.001	Not Listed	0 Listed	-
PFAS	0.50	Not Listed	0 Listed	-
Local Lists of Registered Storage Tanks				
SWEEPS UST	0.25	Not Listed	9 Listed	No
HIST UST	0.25	Not Listed	5 Listed	No
CA FID UST	0.25	Not Listed	4 Listed	No
CERS Tanks	0.25	Not Listed	0 Listed	-
Local Land Records				
LIENS	0.001	Not Listed	0 Listed	-
LIENS 2	0.001	Not Listed	0 Listed	-
DEED	0.50	Not Listed	0 Listed	-
Records of Emergency Release Reports				

DATABASE REFERENCE	SEARCH RADIUS (miles)	SUBJECT PROPERTY	SURROUNDING/ADJOINING PROPERTIES	REC
HMIRS	0.001	Not Listed	0 Listed	-
CHMIRS	0.001	Not Listed	0 Listed	-
LDS	0.001	Not Listed	0 Listed	-
MCS	0.001	Not Listed	0 Listed	-
SPILLS 90	0.001	Not Listed	0 Listed	-
Other Ascertainable Records				
RCRA NonGen/NLR	0.25	Not Listed	12 Listed	No
FUDS	1.00	Not Listed	0 Listed	-
DOD	1.00	Not Listed	0 Listed	-
SCRD DRYCLEANERS	0.50	Not Listed	0 Listed	-
US FIN ASSUR	0.001	Not Listed	0 Listed	-
EPA WATCH LIST	0.001	Not Listed	0 Listed	-
2020 COR ACTION	0.25	Not Listed	0 Listed	-
TSCA	0.001	Not Listed	0 Listed	-
TRIS	0.001	Not Listed	0 Listed	-
SSTS	0.001	Not Listed	0 Listed	-
ROD	1.00	Not Listed	0 Listed	-
RMP	0.001	Not Listed	0 Listed	-
RAATS	0.001	Not Listed	0 Listed	-
PRP	0.001	Not Listed	0 Listed	-
PADS	0.001	Not Listed	0 Listed	-
ICIS	0.001	Not Listed	0 Listed	-
FTTS	0.001	Not Listed	0 Listed	-
MLTS	0.001	Not Listed	0 Listed	-
COAL ASH DOE	0.001	Not Listed	0 Listed	-
COAL ASH EPA	0.50	Not Listed	0 Listed	-
PCB TRANSFORMER	0.001	Not Listed	0 Listed	-
RADINFO	0.001	Not Listed	0 Listed	-
HIST FTTS	0.001	Not Listed	0 Listed	-
DOT OPS	0.001	Not Listed	0 Listed	-
CONSENT	1.00	Not Listed	0 Listed	-
INDIAN RESERV	1.00	Not Listed	0 Listed	-
FUSRAP	1.00	Not Listed	1 Listed	No
UMTRA	0.50	Not Listed	0 Listed	-
LEAD SMELTERS	0.001	Not Listed	0 Listed	-
US AIRS	0.001	Not Listed	0 Listed	-
US MINES	0.25	Not Listed	0 Listed	-
ABANDONED MINES	0.25	Not Listed	0 Listed	-
FINDS	0.001	Listed	1 Listed	No
UXO	1.00	Not Listed	0 Listed	-
DOCKET HWC	0.001	Not Listed	0 Listed	-
ECHO	0.001	Listed	1 Listed	No
FUELS PROGRAM	0.25	Not Listed	0 Listed	-
CA BOND EXP. PLAN	1.00	Not Listed	0 Listed	-
Cortese	0.50	Not Listed	13 Listed	No
CUPA Listings	0.25	Not Listed	0 Listed	-
DRYCLEANERS	0.25	Not Listed	1 Listed	No

DATABASE REFERENCE	SEARCH RADIUS (miles)	SUBJECT PROPERTY	SURROUNDING/ADJOINING PROPERTIES	REC
EMI	0.001	Listed	1 Listed	No
ENF	0.001	Not Listed	0 Listed	-
Financial Assurance	0.001	Not Listed	0 Listed	-
HAZNET	0.001	Listed	1 Listed	No
ICE	0.001	Not Listed	0 Listed	-
HIST CORTESE	0.50	Not Listed	11 Listed	No
HWP	1.00	Not Listed	2 Listed	No
HWT	0.25	Not Listed	0 Listed	-
MINES	0.25	Not Listed	0 Listed	-
MWMP	0.25	Not Listed	0 Listed	-
NPDES	0.001	Listed	0 Listed	No
PEST LIC	0.001	Not Listed	0 Listed	-
PROC	0.50	Not Listed	0 Listed	-
Notify 65	1.00	Not Listed	0 Listed	-
UIC	0.001	Not Listed	0 Listed	-
UIC GEO	0.001	Not Listed	0 Listed	-
WASTEWATER PITS	0.50	Not Listed	0 Listed	-
WDS	0.001	Not Listed	0 Listed	-
WIP	0.25	Not Listed	0 Listed	-
MILITARY PRIV SITES	0.001	Not Listed	0 Listed	-
PROJECT	0.001	Not Listed	0 Listed	-
WDR	0.001	Not Listed	0 Listed	-
CIWQS	0.001	Listed	0 Listed	No
CERS	0.001	Listed	0 Listed	No
NON-CASE INFO	0.001	Not Listed	0 Listed	-
OTHER OIL GAS	0.001	Not Listed	0 Listed	-
PROD WATER PONDS	0.001	Not Listed	0 Listed	-
SAMPLING POINT	0.001	Not Listed	0 Listed	-
HWTS	0.001	Listed	0 Listed	No
WELL STIM PROJ	0.001	Not Listed	0 Listed	-
MINES MRDS	0.001	Not Listed	0 Listed	-
EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records				
EDR MGP	1.00	Not Listed	0 Listed	-
EDR Hist Auto	0.125	Not Listed	7 Listed	No
EDR Hist Cleaner	0.125	Not Listed	0 Listed	-
EDR RECOVERED GOVERNMENT ARCHIVES				
Exclusive Recovered Government Archives				
RGA LF	0.001	Listed	0 Listed	No
RGA LUST	0.001	Not Listed	0 Listed	-

4.2. Standard Federal Environmental Records

In accordance with the ASTM Standard Practice, the following standard federal environmental records were searched for sites within the appropriate minimum search distance. The following listings comprise the NPL database.

4.2.1. Federal NPL Site List

The US Environmental Protection Agency (USEPA) maintains the National Priority List (NPL) database, which is a subset of the CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System). The NPL is a listing of sites that are ranked as high priority for cleanup under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA; Superfund) program.

4.2.1.1. Federal National Priority List Sites (NPL)

The NPL database contains information on sites that are currently listed on the NPL. A review of NPL database, as provided by EDR, revealed that no listed site is located within a 1.0-mile search radius of the Subject Property.

4.2.1.2. Federal Proposed National Priority List Sites (Proposed NPL)

The Proposed NPL database contains information on sites that have been proposed for listing on the NPL through the issuance of a proposed rule in the Federal Register. The EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing. A review of Proposed NPL database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

4.2.1.3. Federal Superfund Liens (NPL LIENS)

The NPL LIENS database contains information on liens that have been filed by the USEPA against real property to recover remedial action expenditures or when the property owner received notification of potential liability. The USEPA compiles and maintains a listing of filed notices of Superfund Liens. A review of the NPL LIENS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.2.1.4. National Priority List Deletions (Delisted NPL)

The Delisted NPL sites database contains information on sites that have been deleted from the NPL when the USEPA has concurred that no further response was required. The USEPA compiles and maintains a database of delisted NPL sites. A review of Delisted NPL database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

4.2.2. Federal CERCLIS List

The USEPA investigates known or suspected uncontrolled or abandoned hazardous substance facilities under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The USEPA maintained a comprehensive list of these facilities in a database known as the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS). In 2015, the USEPA renamed CERCLIS to the Superfund Enterprise Management System (SEMS) Site List. This list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies, and private persons, pursuant to

CERCLA Section 103. This dataset also contains sites which are either proposed to the NPL and the sites which are in the screening and assessment phase for possible inclusion on the NPL. These sites have either been investigated or are currently under investigation by the USEPA for release or threatened release of hazardous substances. Once a site was placed in CERCLIS, it may be subjected to several levels of review and evaluation and ultimately placed on the NPL. The following databases comprised the CERCLIS database.

4.2.2.1. Federal Facility Site Information Listing (FEDERAL FACILITY)

The Federal Facility Site Information Listing (FEDERAL FACILITY) contains NPL and Base Realignment and Closure (BRAC) sites found in the CERCLIS database where the USEPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities. A review of the FEDERAL FACILITY database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.2.2.2. Superfund Enterprise Management System Site List (SEMS)

The Superfund Enterprise Management System (SEMS) tracks hazardous waste sites, potentially hazardous waste sites and remedial activities performed in support of the USEPA's Superfund Program. This list was formerly known as CERCLIS and was renamed to SEMS by the USEPA in 2015. This list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies, and private persons, pursuant to CERCLA Section 103. This dataset also contains sites which are either proposed to the NPL and the sites which are in the screening and assessment phase for possible inclusion on the NPL. A review of the SEMS database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.2.2.3. Superfund Enterprise Management System Archive Site List (SEMS-ARCHIVE)

The Superfund Enterprise Management System Archive (SEMS-ARCHIVE) tracks sites that have no further interest under the USEPA Superfund Program based on available information. The list was formerly known as the CERCLIS No Further Remedial Action Planned (CERLIS-NFRAP) and was renamed to SEMS-ARCHIVE in 2015. The SEMS-ARCHIVE sites may include sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the site being placed on the NPL, or the contamination was deemed not serious enough to require Federal Superfund action or NPL consideration. The USEPA has removed these sites from SEMS to lift unintended barriers to the redevelopment of these properties. This policy change is part of the USEPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens promote economic redevelopment of unproductive urban sites. A review of the SEMS-ARCHIVE database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.2.3. Federal RCRA Corrective Action Reports Facilities List (CORRACTS)

The USEPA regulates hazardous waste under the Resource Conservation and Recovery Act (RCRA). The USEPA maintains the Corrective Action Reports (CORRACTS) database, which is a listing of RCRA facilities that are undergoing corrective action. A corrective action order is issued pursuant to RCRA Section 3008(h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the boundary of the facility and can be required even if the release predated RCRA. A review of the CORRACTS database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

4.2.3.1. Federal RCRA Treatment, Storage, and Disposal Facilities List (RCRA TSDF)

The USEPA regulates hazardous waste under RCRA and identifies and tracks hazardous waste from the point of generation to the point of disposal. RCRA info is EPA's comprehensive information system, providing access to data supporting RCRA and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by RCRA. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. A review of the RCRA TSDF database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.2.3.2. Federal RCRA Generators List (RCRA-LQG, RCRA-SQG, and RCRA-CESQG)

The USEPA regulates hazardous waste under RCRA and maintains a database of facilities, which generate hazardous waste or treat, store, and/or dispose of hazardous wastes. Large Quantity Generators (LQG) generate 1,000 kilograms or greater of hazardous waste per month, or greater than 1 kilogram of acutely hazardous waste per month. Small Quantity Generators (SQG) generate more than 100 kilograms, but less than 1,000 kilograms of hazardous waste per month. Conditionally Exempt Small Quantity Generators (CESQG) generate 100 kilograms or less of hazardous waste per month, or 1 kilogram or less of acutely hazardous waste per month. A review of the RCRA-LQG, as provided by EDR, revealed that 3 listed sites are located within a 0.25-mile search radius of the Subject Property.

Table 1 – RCRA-LQG List

Dist. (mi)	Elev.	Site	Site Address	EPA ID	Facility Status	SP REC
0.000	Equal/Higher	Monterey Continuation School	466 S Fraser Ave	CAR000195784	No Violations	No
0.121 E	Equal/Higher	4th Street Primary Center	469 Amalia St.	CAR000127811	No Violations	No
0.206 ENE	Equal/Higher	Central Region EEC No. 2	421 S Hillview Ave	CAR000221259	No Violations	No

A review of the RCRA-SQG as provided by EDR, revealed that 5 listed sites, including the Subject Property, are located within a 0.25-mile search radius of the Subject Property.

Table 2 – RCRA-SQG List

Dist. (mi)	Elev.	Site	Site Address	EPA ID	Facility Status	SP REC
0.160 ENE	Equal/Higher	LAUSD 4th St. EL	420 S Amalia Ave	CAD981980014	No Violations	No
0.179 NE	Equal/Higher	Brotman Autobody Center	392 S Atlantic Blvd	CAD981368202	No Violations	No
0.055 SSE	Lower	RIT Medical Center	615 S Atlantic Blvd	CAD983644659	No Violations	No
0.137 SSE	Lower	UHAUL Center	657 S Atlantic Blvd	CAD981641590	No Violations	No
0.163 SSE	Lower	J and J Ford Inc.	668 S Atlantic Blvd	CAD983583378	No Violations	No

A review of the RCRA-CESQG as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

A review of the RCRA-VSQG as provided by EDR, revealed that 0 listed sites are located within a 0.25-mile radius of the Subject Property.

These sites are not considered a REC due to no violations.

4.2.3.3. Federal Institutional Controls/Engineering Control Registries (LUCIS, US ENG CONTROLS, and US INST CONTROLS)

The Federal Institutional Control/Engineering Control Registries consist of three separate databases. The Land Use Control Information System (LUCIS) is operated by the Department of the Navy and contains records of land use control information pertaining to former Navy Base Realignment and Closure (BRAC) properties. The US Sites with Institutional Controls List is operated by the USEPA and is a listing of sites with institutional controls in place. Institutional controls include administrative measures such as groundwater use restrictions, construction restrictions, property use restrictions, and post-remediation requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. The US Engineering Controls Sites List is operated by the USEPA and is a listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or to affect human health. A review of the LUCIS, US ENG CONTROLS, and US INST CONTROLS database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.2.4. Federal Emergency Response Notification List (ERNS)

The Emergency Response Notification System (ERNS) is a national database used to collect and store information on unauthorized releases of oil and hazardous substances. The program is a cooperative effort of the USEPA, the Department of Transportation Volpe National Transportation System Center and the US Coast Guard National Response Center. There are primarily five (5) Federal statutes that require release reporting: CERCLA section 103; the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304; the Clean Water Act of 1972 (CWA) Section 311(b)(3); and the Hazardous Material Transportation Act of 1974 (HMTA) section 1808(b). A review of the ERNS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.2.5. State and Tribal-Equivalent NPL Site List (RESPONSE)

The California DTSC maintains the RESPONSE database, which is a listing of hazardous substance sites targeted for cleanup. The RESPONSE database identifies release sites where DTSC is involved in remediation, either as a lead or an oversight capacity. These confirmed release sites are generally considered to be high priority and present a high potential risk to human health. A review of the RESPONSE database, as provided by EDR, revealed that no listed site is located within a 1.0-mile search radius of the Subject Property.

4.2.6. State and Tribal-Equivalent CERCLIS List (ENVIROSTOR)

The DTSC maintains the ENVIROSTOR database, which is a listing of sites with known contamination or sites which are under consideration for further investigation. The ENVIROSTOR database includes the following site types: Federal Superfund sites (National Priorities List; NPL); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and school sites. ENVIROSTOR provides similar information to that was previously available in CalSites, as well as additional information, including, but not limited to identification of formerly contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land use, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites. A review of the ENVIROSTOR database, as provided by EDR, revealed that 7 listed sites are located within a 1.0-mile search radius of the Subject Property.

Table 3 – ENVIROSTOR List

Dist. (mi)	Elev.	Site	Site Address	Facility ID	Facility Status	SP REC
0.755 NNW	Equal/Higher	East Los Angeles High School	Belvedere Park/Cesar	19820069	Inactive-Needs Evaluation	No
0.047 SSE	Lower	4th Street New Primary	Atlantic Boulevard/H	19790004	No Action Required	No
0.715 SE	Lower	Continental Can Comp	5650 East Grace Place	19340722	Refer to Other Agency	No

0.827 SSE	Lower	Winkler Flexible Pro	5600 E Olympic Blvd	60002168	Refer Local Agency	No
0.906 ESE	Lower	Joseph A. Gascon Ele	630 Leonard Ave	60000683	No Action Required	No
0.919 WSW	Lower	Los Angeles Drum Com	1137 South Eastern Ave	19340798	Active	No
0.942 SSE	Lower	ESB Inc. (Exide Cor)	5700 East Olympic Blvd	60001725	No Further Action Required	No

These sites do not constitute a REC due to their distance and/or regulatory status (No Action Required/No Further Action).

4.2.7. State and Tribal-Equivalent Landfill and/or Solid Waste Disposal Site Lists (SWF/LF)

The Solid Waste Facilities/Landfill Sites (SWF/LF) database contains information on active, closed, and inactive landfills. The SWF/LF database typically contains an inventory of solid waste disposal facilities or landfills. These may be inactive or active facilities or open dumps that failed to meet RCRA Section 2004 criteria for solid waste landfills or disposal sites. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database. A review of the SWF/LF database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.2.8. State and Tribal-Equivalent Leaking Underground Storage Tank Lists (LUST)

The California State Water Resources Control Board (Water Board) Leaking Underground Storage Tank (LUST). Incident Reports database contains an inventory of reported leaking underground storage tanks. A review of the LUST database as provided by EDR, revealed that the Subject Property is not a listed site and that 14 listed sites are located within a 0.5-mile search radius of the Subject Property.

Table 4 – State and Tribal-Equivalent Leaking Underground Storage Tank List

Dist. (mi)	Elev.	Site	Site Address	Facility Status	SP REC
0.123 NE	Equal/Higher	G&M S/S	401 S Atlantic Blvd	Completed-Case Closed	No
0.169 NE	Equal/Higher	Uzeta AMC	377 S Atlantic Blvd	Case Closed	No
0.305 NE	Equal/Higher	UNOCAL #1107	300 S Atlantic Blvd	Case Closed	No
0.313 NNE	Equal/Higher	EXXON/Mobile #18-ETY	301 S Atlantic Blvd	Completed-Case Closed	No
0.348 N	Equal/Higher	LA CO Sheriff East L	5019 E 3rd Street	Case Closed	No
0.409 NE	Equal/Higher	Pep Boys Store #652	256 S Atlantic Blvd	Case Closed	No

0.464 NE	Equal/Higher	Chevron 93699	250 S Atlantic Blvd	Case Closed	No
0.464 NE	Equal/Higher	Chevron 9-3699	250 S Atlantic Blvd	Completed-Case Closed	No
0.054 SE	Lower	Burger King	545 ½ Atlantic Blvd	Completed-Case Closed	No
0.062 SE	Lower	R-Boys 99 Cents Store	601 S Atlantic Blvd	Completed-Case Closed	No
0.173 SSE	Lower	Freeway Ford	666 S Atlantic Blvd	Case Closed	No
0.202 SE	Lower	Ralph Moran Property	4247 003rd St E	Case Closed	No
0.358 S	Lower	ARCO 6153	5200 Whittier Ave E	Case Closed	No
0.472 S	Lower	US Postal Service	975 S Atlantic Blvd	Completed-Case Closed	No

These sites do not constitute a REC due to their distance and/or regulatory status (No Further Action/Case Closed).

4.2.9. State and Tribal-Equivalent Leaks, Investigations, and Cleanup List (CPS-SLIC)

The State Water Board Spills, Leaks, Investigations and Cleanup (SLIC) program is designed to protect and restore water quality from spills, leaks, and similar discharges. The statewide SLIC database contains a listing of sites that impact groundwater or have the potential to impact groundwater. The California Regional Water Quality Control Board San Francisco Bay Area Region maintains the regional database. A review of the SLIC database, as provided by EDR, revealed that 1 listed site is located within a 0.5-mile search radius of the Subject Property.

Table 5 – CPS-SLIC List

Dist. (mi)	Elev.	Site	Site Address	Facility Status	SP REC
0.086 SSE	Lower	Not Reported	629 S Atlantic Blvd	Open - Inactive	No

Due to the property being down-gradient from the Subject Property, this site is not a REC regarding the Subject Property.

4.2.10. Federal, State, and Tribal Registered Storage Tank Lists

4.2.10.1. Federal Emergency Management Agency (FEMA) Underground Storage Tank List (FEMA UST)

The Federal Emergency Management Agency (FEMA) maintains the FEMA UST database, which is a listing of FEMA-owned underground storage tanks (USTs). A review of the FEMA UST database,

as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

4.2.10.2. State Active Underground Storage Tank Facilities (UST)

The State Water Board maintains an Underground Storage Tank (CA UST) database, which is a listing of active permitted UST facilities provided to the Water Board from the local regulatory agencies. Per the Water Board GeoTracker data management system, the CA UST listings are no longer being kept up to date. A review of the UST database, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

4.2.10.3. State Aboveground Petroleum Storage Tank (AST) Facilities

The California Environmental Protection Agency (Cal/EPA) maintains a listing (AST) of aboveground petroleum storage tank facilities. A review of the AST database, as provided by EDR revealed that no listed sites were located within a 0.25-mile search radius of the Subject Property.

4.2.10.4. Underground Storage Tank Facilities on Indian Land (INDIAN UST)

The USEPA maintains the Indian Underground Storage Tank (INDIAN UST) facilities database which provides information about underground storage tanks in USEPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations). A review of the INDIAN UST database, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

4.2.11. State and Tribal Voluntary Cleanup Sites

4.2.11.1. DTSC Voluntary Cleanup Program Properties (VCP)

The DTSC maintains the voluntary cleanup property (VCP) database which is a listing of properties that post a low threat due to either confirmed or unconfirmed releases and where the project proponents have requested that the DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for reimbursing the DTSC's costs. A review of the VCP database, as provided by EDR, revealed no listed sites were located within a 0.5-mile search radius of the Subject Property.

4.2.11.2. Indian Voluntary Cleanup Priority Site List (INDIAN VCP)

The USEPA maintains the Indian Voluntary Cleanup Priority (INDIAN VCP) database, which is a listing of voluntary cleanup priority sites located in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations). A review of the VCP database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.2.12. State and Tribal Brownfields Sites

4.2.12.1. State and Tribal Brownfields Site Listing (BROWNFIELDS)

The State Water Board Brownfields Program maintains a listing of Brownfields (CA BROWNFIELDS) sites. Brownfields are underutilized properties where reuse is hindered by the actual or suspected presence of pollution/contamination. Cleanup and redevelopment of these sites benefits the environment and communities by eliminating pollution/contamination problems, allowing economic growth, and revitalizing neighborhoods. A review of the BROWNFIELDS list, as provided by EDR, revealed that no listed site is located within a 0.5-mile search radius of the Subject Property.

4.3. Additional Environmental Records

4.3.1. Local Brownfields Sites

4.3.1.1. USEPA Brownfields Sites (US BROWNFIELDS)

The USEPA maintains a listing of brownfields sites in the Assessment, Cleanup, and Redevelopment Exchange System (ACRES) database. ACRES stores information reported by USEPA Brownfields grants recipients as well as Targeted Brownfields Assessments performed by USEPA Regional offices. A review of the US BROWNFIELDS list, as provided by EDR, revealed 2 listed sites are located within a 0.5-mile search radius of the Subject Property.

Table 6 – US Brownfield List

Dist. (mi)	Elev.	Site	Site Address	ACRES ID	SP REC
0.281 SW	Lower	Whittier LA Verner	753 S LA Verne Ave	241808	No
0.437 SW	Lower	Whittier-Fetterly	922 S Fetterly Ave	241807	No

These sites do not constitute a REC due to their regulatory status, downgradient, and/or distance from the Subject Property.

4.3.2. Local Lists of Landfill and Solid Waste Disposal Sites

4.3.2.1. Water Board Waste Management Unit Database (WMUDS/SWAT)

The State and Regional Water Boards maintain the Waste Management Unit Database System (WMUDS) for program tracking and inventory of waste management units. WMUDS is used to maintain information on facilities, scheduled inspections, waste management units, solid waste assessment test (SWAT) programs, SWAT report data and summaries, Chapter 15 monitoring parameters, Toxic Pits Cleanup Act of 1984 (TPCA) programs, RCRA Programs, closure information,

and Interested Parties. A review of WMUDS/SWAT database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.3.2.2. State Waste and Recycling Facilities Database (SWRCY)

The California Department of Conservation maintains the State Waste and Recycling Facilities (SWRCY) database of recycling facilities in California. A review of the SWRCY database, as provided by EDR, revealed 1 site is located within a 0.5-mile search radius of the Subject Property.

Table 7 – SWRCY List

Dist. (mi)	Elev.	Site	Site Address	Cert ID	SP REC
0.344 SW	Lower	The Green Spot Recycle	4831 Whittier Blvd	RC242081.001	No

This site does not constitute a REC due to its regulatory status and/or distance from the Subject Property.

4.3.2.3. Area of Concern (AOCONCERN)

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. A review of the AOCONCERN database, as provided by EDR, revealed that the Subject Property is not a listed site.

Table 8 – AOCONCERN List

Dist. (mi)	Elev.	Site	Site Address	SP REC
0.474 WSW	Equal/Higher	Former Exide Facility	Not Reported	No

This site does not constitute a REC due to its regulatory status and/or distance from the Subject Property.

4.3.2.4. State Registered Waste Tire Haulers Database (HAULERS)

The California Integrated Waste Management Board (CalRecycle) maintains a listing of registered waste tire haulers. A review of the HAULERS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.2.5. Report on the Status of Dumps on Indian Lands (INDIAN ODI)

The USEPA maintains the INDIAN ODI database, which is a listing of open dumps on Indian land. A review of the INDIAN ODI database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.3.2.6. Open Dump Inventory (ODI)

The USEPA created the Open Dump Inventory (ODI) which is a listing of open dumps as a disposal facility that does not comply with one or more of Part 257 or 258 Subtitle D criteria. The ODI was last updated in 2004. A review of the ODI database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.3.3. Local Lists of Hazardous Waste / Contaminated Sites

4.3.3.1. Historical National Clandestine Laboratory Register (US HIST CDL)

The US Drug Enforcement Agency (US DEA) maintains the US HIST CDL database, which is a listing of clandestine drug lab locations that have been removed from the US DEA National Clandestine Laboratory Register. A review of the US HIST CDL database, as provided by EDR, reveals that the Subject Property is not a listed site.

4.3.3.2. Historical Cal-Sites Database (HIST Cal-Sites)

The DTSC created the Cal-Sites database which lists properties where potential or confirmed releases of hazardous substance have occurred. The Cal-Sites database is no longer being updated by the DTSC and has been replaced with EnviroStor. A review of the HIST Cal-Sites database, as provided by EDR, revealed that no listed site is located within a 1.0-mile search radius of the Subject Property.

School Property Evaluation Program (SCH)

The DTSC SCH database contains proposed and existing school sites that are being evaluated by the DTSC for possible hazardous materials contamination. A review of the SCH database, as provided by EDR, revealed that 1 listed site is located within a 0.25-mile search radius of the Subject Property.

Table 9 – SCH List

Dist. (mi)	Elev.	Site	Site Address	Facility ID	Status	SP REC
0.047 SSE	Lower	4th Street New Primary	Atlantic Boulevard/H	19790004	No Action Required	No

This site does not constitute a REC due to its regulatory status and downgradient from the Subject Property.

4.3.3.3. Clandestine Drug Labs (CDL)

The DTSC maintains the CDL database which is a listing of clandestine drug lab locations. The listing of a property in the CDL database does not indicate that any illegal drug lab materials were or were not present at the property and does not constitute a determination that the location requires additional cleanup work. A review of the CDL database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.3.4. Toxic Pits Cleanup Act Sites (Toxic Pits)

The State Water Board maintains the Toxic Pits database, which identifies sites suspected of containing hazardous substances where cleanup activities have not yet been completed. The State Water Board has not updated the Toxic Pits database since 2009. A review of the Toxic Pits database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

4.3.3.5. California Environmental Reporting System Hazardous Waste (CERS HAZ WASTE)

CalEPA maintains the CERS HAZ WASTE database, which is a listing of locations where which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs. A review of the CERS HAZ WASTE database, as provided by EDR, revealed 9 listed sites, including the Subject Property, are located within 0.25 miles of the Subject Property.

Table 10 – CERS HAZ WASTE List

Dist. (mi)	Elev.	Site	Site Address	CERS ID	Violations	SP REC
0.144 NE	Equal/Higher	Cycle Parts	400 S Atlantic Blvd	10263202	No	No
0.163 NE	Equal/Higher	Brotman Auto Center	395 S Atlantic Blvd	10269304	No	No
0.179 NE	Equal/Higher	Brotman Auto Body	392 S Atlantic Blvd	10269307	No	No
0.048 ESE	Lower	All Star Car and Truck	525 S Atlantic Blvd	10273615	No	No
0.053 SE	Lower	Tropicana Car Sales	575 S Atlantic Blvd	10274728	No	No
0.102 SE	Lower	Talpita Auto Body &	626 S Atlantic Blvd	10269049	No	No
0.110 SSE	Lower	D&D Auto Repair (Clo	632 S Atlantic Blvd	10293013	No	No
0.237 SSE	Lower	Kragen Auto Parts	722 S Atlantic Blvd	10274005	No	No
0.238 S	Lower	East Los OG Paint	729 S Atlantic Blvd	10274893	No	No

Based on compliance status (no current violations, no documented leaks) and/or downgradient, the listed sites do not constitute a REC regarding the Subject Property.

4.3.3.6. Clandestine Drug Labs (US CDL)

The US DEA maintains the US CDL database, which is a listing of locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. A review of the US CDL database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.4. Local Lists of Registered Storage Tanks

4.3.4.1. Statewide Environmental Evaluation and Planning System (SWEEPS UST)

The State Water Board created the SWEEPS UST database, which is a statewide listing of registered USTs. The database was created in the early-1990s and is no longer maintained. A review of the SWEEPS UST database, as provided by EDR, revealed that 9 listed sites are located within a 0.25-mile radius of the Subject Property.

Table 11 – Statewide Environmental Evaluation and Planning System List

Dist. (mi)	Elev.	Comp. Number	Site	Site Address	Status	SP REC
0.123 NE	Equal/Higher	1840	Pronto Marketing 32	401 S Atlantic Blvd	Active	No
0.179 NE	Equal/Higher	12261	Consolidated Freight	392 S Atlantic Blvd	Active	No
0.191 WNW	Equal/Higher	16584	Javier Luna	500 S Fetterly	Active	No
0.048 E	Lower	1490	Armex Motors USA	501 S Atlantic Blvd	Active	No
0.054 SE	Lower	2017	G & Auto Liquidators	545 S Atlantic Blvd	Active	No
0.062 SE	Lower	9726	R-Boys Stores	601 S Atlantic Ave	Active	No
0.137 SSE	Lower	4362	U haul Rental	657 S Atlantic Blvd	Active	No
0.173 SSE	Lower	3618	Freeway Ford	666 S Atlantic Blvd	Active	No
0.207 SW	Lower	9012	Mavricio Zepeda	681 S Ferris Ave	Active	No

These sites do not constitute a REC due to their regulatory status, downgradient, and/or distance from the Subject Property.

4.3.4.2. Hazardous Substance Storage Container Database (HIST UST)

The State Water Board Hazardous Substance Storage Container Database is a historical listing of UST sites. The database was created in the early-1990s and is no longer being maintained. A review of the HIST UST database, as provided by EDR, revealed that 5 listed site is located within a 0.25-mile radius of the Subject Property.

Table 12 – Historical Underground Storage Tank List

Dist. (mi)	Elev.	Facility ID	Site	Site Address	SP REC
0.123 NE	Equal/Higher	00000041529	Pronto Marketing 32	401 S Atlantic Blvd	No

0.137 SSE	Lower	00000003503	East LA Moving Center	657 S Atlantic Blvd	No
0.137 SSE	Lower	Not reported	U Haul Rental	657 S Atlantic Blvd	No
0.173 SSE	Lower	00000019011	Freeway Ford	666 S Atlantic Blvd	No
0.237 SSE	Lower	00000019023	Freeway Ford Body Shop	722 S Atlantic Blvd	No

These sites do not constitute a REC due to their regulatory status, downgradient, and/or distance from the Subject Property.

4.3.4.3. Facility Inventory Database (CA FID UST)

The State Water Board Facility Inventory Database (CA FID UST) contains a historical listing of active and inactive UST locations. This database was created in the mid-1990s and is no longer being maintained. A review of the CA FID UST database, as provided by EDR, revealed that the Subject Property is not a listed site. A review of the CA FID UST database, as provided by EDR, revealed that 4 listed sites are located within a 0.25-mile search radius of the Subject Property.

Table 13 – California Facility Inventory Database List

Dist. (mi)	Elev.	Facility ID	Site	Site Address	Tank Status	SP REC
0.179 NE	Equal/Higher	19019771	Consolidated Freight	392 S Atlantic Blvd	Active	No
0.191 WNW	Equal/Higher	19055176	Javier Luna	500 S Fetterly	Active	No
0.137 SSE	Lower	19022988	U Haul Rental	657 S Atlantic Blvd	Active	No
0.173 SSE	Lower	19003108	Freeway Ford	666 S Atlantic Blvd	Inactive	No

Based on compliance status (no current violations, no documented leaks), the listed sites do not constitute a REC regarding the Subject Property.

4.3.4.4. California Environmental Reporting System (CERS TANKS)

The California Environmental Protection Agency (CalEPA) maintains a list of sites that all under the Aboveground Petroleum Storage and underground Storage Tank regulatory programs. A review of the HIST UST database, as provided by EDR, revealed that 1 listed site was located within a 0.250-mile search radius of the Subject Property.

4.3.5. Local Land Records

4.3.5.1. DTSC Environmental Liens Listing (LIENS)

The DTSC maintains a listing of property locations with environmental liens in California where the DTSC is a lien holder. A review of the LIENS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.5.2. USEPA CERLCA Liens Listing (LIENS 2)

The USEPA maintains a listing of property locations with CERCLA liens. A review of the LIENS 2 database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.5.3. Deed Restriction Listings (DEED)

The DTSC and the State Water Board maintain a listing of brownfield sites and remediated properties with land use restrictions that were required because of the presence of hazardous substances that remained on site after the facility (or part of the facility) has been closed or cleaned up. These types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners. A review of the DEED database, as provided by EDR, revealed that no listed sites were located within a 0.5-mile search radius of the Subject Property.

4.3.6. Records of Emergency Release Reports

4.3.6.1. Hazardous Materials Information Reporting System (HMIRS)

The US Department of Transportation (US DOT) maintains the Hazardous Materials Information Reporting System (HMIRS) database, which contains a listing of reported hazardous spill incidents. A review of the HMIRS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.6.2. California Hazardous Materials Information Reporting System (CHMIRS)

The California Office of Emergency Services (OES) maintains the California Hazardous Material Incident Reporting System (CHIMRS) database which is a listing of reported accidental releases or spills of hazardous materials. A review of the CHIMRS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.6.3. Land Disposal Sites Listing (LDS)

The State Water Board maintains the Land Disposal Sites (LDS) database, which is a listing of sites where waste is discharged to land for treatment, storage, and disposal in WMUs. A review of the LDS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.6.4. Military Cleanup Sites Listing (MCS)

The State and Regional Water Boards partner with the United States Department of Defense (US DOD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities. A review of the MCS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.6.5. State Spills Listing (SPILLS 90)

The SPILLS90 database is maintained by FirstSearch Technology Corporation and is a listing of hazardous materials spills reported to the Regional Water Boards. A review of the SPILLS90 database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7. Other Ascertainable Records

4.3.7.1. RCRA Non-Generators/No Longer Regulated (RCRA NONGEN/NLR)

The USEPA maintains the RCRAInfo database which is a listing of sites that generate, store, and dispose of hazardous waste as defined by RCRA. RCRA non-generators do not presently generate hazardous waste. A review of the RCRAInfo database, as provided by EDR, revealed that the Subject Property is not a listed site and that 12 listed sites are located within a 0.25-mile search radius of the Subject Property.

Table 14 – RCRA Non-Generators/No Longer Regulated List

Dist. (mi)	Elev.	EPA ID	Handler Name	Site Address	Active Violations	SP REC
0.073 NW	Equal/Higher	CAC003081915	Noam Bouzaglou	467 S LA Verne Ave	None	No
0.076 NW	Equal/Higher	CAC003076927	NB Builders	465 S LA Verne Ave	None	No
0.114 ENE	Equal/Higher	CAC003062586	Schiendler Elevator	416 S Atlantic Blvd	None	No
0.126 ENE	Equal/Higher	CAC003132730	Tallcat, LLC	414 S Atlantic Blvd	None	No
0.144 NE	Equal/Higher	CAL000013567	Cycle Parts	400 S Atlantic Blvd	None	No
0.163 NE	Equal/Higher	CAL000223632	Brotman Auto Center	395 S Atlantic Blvd	None	No
0.179 NE	Equal/Higher	CAL000158015	GNC Auto Center Inc.	392 S Atlantic Blvd	None	No
0.234 NE	Equal/Higher	CAL000355186	Brotman Auto Body	344 S Atlantic Blvd	None	No
0.066 SE	Lower	CAL000304130	Dr Namian Family Den	609 S Atlantic Blvd	None	No
0.110 SSE	Lower	CAL000381615	Riquiac Auto Repair	632 S Atlantic Blvd	None	No

0.237 SSE	Lower	CAL000393314	O'Reilley Auto Parts	722 S Atlantic Blvd	None	No
0.238 S	Lower	CAL000447581	East Los OG Paint	729 S Atlantic Blvd	None	No

Based on compliance status (no listed violations, no documented leaks) and/or downgradient, the listed sites do not constitute a REC regarding the Subject Property.

4.3.7.2. Formerly Used Defense Sites (FUDS)

The US Army Corps of Engineers (US ACE) maintains the formerly used defense sites (FUDS) database, which is a listing of former military sites actively performing or planning to perform cleanup actions. A review of the FUDS database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

4.3.7.3. Department of Defense Sites (DOD)

The US Geological Survey (USGS) maintains the US DOD sites (DOD) database, which is a listing of federally owned or US DOD administered lands in the United States, Puerto Rico, or the US Virgin Islands that have an area equal or greater than 640 acres. A review of the FUDS database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

4.3.7.4. State Coalition for Remediation of Drycleaners Listing (SCRD DRYCLEANERS)

The USEPA maintains the State Coalition for Remediation of Drycleaners Listing (SCRD DRYCLEANERS) database. A review of the SCRD DRYCLEANERS database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.3.7.5. Financial Assurance Information (US FIN ASSUR)

The USEPA maintains the Financial Assurance Information database (US FIN ASSUR), which is a listing of hazardous waste facilities which are required to provide financial proof that they will have sufficient funds to pay for the cleanup, closure, and post-closure care of their facilities. A review of the US FIN ASSUR database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.6. USEPA Watch List (EPA WATCH LIST)

The USEPA maintains a "watch list" to facilitate dialogue between the USEPA, state, and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as being either significant or of high priority. A review of the EPA WATCH LIST database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.7. USEPA 2020 Corrective Action Program List (2020 COR ACTION)

The USEPA maintains the 2020 RCRA Corrective Action Universe (2020 COR ACTION) which is a listing of facilities expected to require corrective action. A review of the 2020 COR ACTION

database, as provided by EDR, revealed that no listed sites located within a 0.25-mile search radius of the Subject Property.

4.3.7.8. Toxic Substances Control Act Chemical Substance Inventory List (TSCA)

The USEPA maintains the Toxic Substances Control Act (TSCA) Chemical Substance Inventory List which includes data on the production volume of TSCA-regulated substances by plant site. A review of the TSCA database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.9. Toxic Chemical Release Inventory System (TRIS)

The USEPA maintains the Toxic Chemical Release Inventory System (TRIS) database, which is a listing of facilities which release toxic chemicals to the air, water, and land in reportable quantities under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 313. A review of the TRIS database, as performed by EDR, revealed that the Subject Property is not a listed site.

4.3.7.10. Section 7 Tracking Systems (SSTS)

The USEPA maintains the Section 7 Tracking Systems (SSTS) database, which is a listing of facilities that produce registered pesticides under Section 7 of the Federal Insecticide, Fungicide, and Rodenticide Act. A review of the SSTS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.11. USEPA Records of Decision (ROD)

The USEPA maintains the Records of Decision (ROD) database, which is a listing of ROD documents that mandate permanent remedies at NPL sites. A review of the ROD database, as provided by EDR revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

4.3.7.12. USEPA Risk Management Plans (RMP)

The USEPA maintains the Risk Management Plan (RMP) database, which is a listing of regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The RMP database includes a listing of accidents at a listed facility for the previous five (5) years. A review of the RMP database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.13. RCRA Administrative Action Tracking System (RAATS)

The USEPA maintains the RCRA Administrative Action Tracking System (RAATS) database, which is a listing of records of enforcement actions pertaining to major violations under RCRA. The USEPA has not updated the RAATS database since 1995. A review of the RAATS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.14. Potentially Responsible Parties (PRP)

The USEPA maintains the Potentially Responsible Parties (PRP) database, which is a listing of verified PRPs. A review of the PRP database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.15. PCB Activity Database System (PADS)

The USEPA maintains the PCB Activity Database System (PADS) database, which is a listing of generators, transporters, commercial stores and/or brokers, and disposers of PCBs who are required to notify the USEPA of such activities. A review of the PADS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.16. Integrated Compliance Information System (ICIS)

The USEPA maintains the Integrated Compliance Information System (ICIS), which is a listing of facilities which have been issued permits to discharge wastewater under the National Pollutant Discharge Elimination System (NPDES). A review of the ICIS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.17. FIFRA/TSCA Tracking System (FTTS)

The USEPA maintains the FIFRA/TSCA Tracking System (FTTS), which is a listing of administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA, and the Emergency Planning and Community Right-to-Know Act (EPCRA). A review of the FTTS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.18. Material Licensing Tracking System (MLTS)

The US Nuclear Regulatory Commission (US NRC) maintains the Material Licensing Tracking System (MLTS) database, which is a listing of approximately 8,100 sites which possess or use radioactive materials and are subject to NRC licensing requirements. A review of the FTTS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.19. Steam-Electric Plant Operations Data (COAL ASH DOE)

The US Department of Energy (US DOE) maintains the Steam-Electric Plant Operations Data (COAL ASH DOE) database, which is a listing of power plants that store coal ash in surface impoundments. A review of the COAL ASH DOE database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.20. Coal Combustion Residues Surface Impoundments List (COAL ASH EPA)

The USEPA maintains the Coal Combustion Residues Surface Impoundments List (COAL ASH EPA) which is a listing of coal combustion surface impoundments with high hazard potential ratings. A review of the COAL ASH EPA database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.3.7.21. PCB Transformer Registration Database (PCB TRANSFORMER)

The USEPA maintains the PCB Transformer Registration Database (PCB TRANSFORMER) which is a listing of all PCB transformer registration submittals. A review of the PCB TRANSFORMER database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.22. Radiation Information Database (RADINFO)

The USEPA maintains the Radiation Information Database (RADINFO), which is a listing of facilities that are regulated by the USEPA for radiation and radioactivity. A review of the RADINFO database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.23. Incident and Accident Data (DOT OPS)

The US DOT Office of Pipeline Safety maintains the Incident and Accident Data (DOT OPS) database. A review of the DOT OPS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.24. Superfund Consent Decrees (CONSENT)

The USEPA maintains the Superfund Consent Decree (CONSENT) database, which is a listing of consent degrees for cleanup of NPL sites. A review of the CONSENT database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

4.3.7.25. Indian Reservations (INDIAN RESERV)

The USGS maintains the Indian Reservations (INDIAN RESERV) database, which is a listing of Indian administered lands in the United States that have an area equal or greater than 640 acres. A review of the INDIAN RESERV database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.26. Former Utilized Sites Remedial Action Program (FUSRAP)

The US DOE maintains the Former Utilized Sites Remedial Action Program (FUSRAP) database, which is a listing of contaminated US DOE legacy sites. A review of the FUSRAP database, as provided by EDR, revealed that no listed site is located within a 1.0-mile search radius of the Subject Property.

4.3.7.27. Uranium Mill Tailings Remedial Action Sites (UMTRA)

The US DOE maintains the Uranium Mill Tailing Remedial Action Sites (UMTRA) database, which is a listing of sites contaminated by mill tailings following the extraction of uranium. A review of the UMTRA database, as provided by EDR, revealed that no listed sites are located within a 0.5-mile search radius of the Subject Property.

4.3.7.28. Lead Smelter Sites (LEAD SMELTERS)

The USEPA maintains the Lead Smelter Sites database, which is a listing of former lead smelter sites. The American Journal of Public Health published a listing of sites where secondary lead smelting was performed between 1931 and 1964. These two listings constitute the LEAD SMELTERS database. A review of the LEAD SMELTERS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.29. Aerometric Information Retrieval System Facility Subsystem (US AIRS)

The USEPA maintains the Aerometric Information Retrieval System Facility Subsystem database (AFS) which is a subset of the Aerometric Information Retrieval System (AIRS). The AFS database contains listings of facilities which are stationary sources of air pollution such as electric power plants, steel mills, and factories. A review of the US AIRS database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.30. Mines Master Index File (US MINES)

The US Department of Labor (USDOL) Mine Safety and Health Administration maintains the Mines Master Index File (US MINES) database, which is a listing of all mines active or opened since 1971. The database also includes information regarding violations. A review of the US MINES database, as provided by EDR, revealed that no listed mines are located within a 0.25-mile search radius of the Subject Property.

4.3.7.31. Abandoned Mines Database (ABANDONED MINES)

The US Department of the Interior (DOI) maintains the Abandoned Mines (ABANDONED MINES) database, which is a listing of land and water impacted by past mining activities. A review of the ABANDONED MINES database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.32. USEPA Facility Index System Database (FINDS)

The USEPA maintains the Facility Index Systems (FINDS) database, which since has been replaced with the Facility Registry Service (FRS) database. A review of the FINDS database, as provided by EDR, revealed that the Subject Property is a listed site. However, due to no violations, it is not considered a REC.

4.3.7.33. Unexploded Ordinance Sites (UXO)

The US DOD maintains the Unexploded Ordinance Sites (UXO) database, which is a listing of sites with unexploded ordinance. A review of the UXO database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile search radius of the Subject Property.

4.3.7.34. Enforcement and Compliance History Online (ECHO)

The USEPA maintains the Enforcement & Compliance History Online (ECHO) database, which is a listing of enforcement information for approximately 800,000 regulated facilities in the United States. A review of the ECHO database, as provided by EDR, revealed the Subject Property is a listed site. However, due to no violations, it is not considered a REC.

4.3.7.35. Hazardous Waste Compliance Docket Listing (DOCKET HWC)

The USEPA maintains the Hazardous Waste Compliance Docket Listing (DOCKET HWC) database, which is a listing of Federal Agency Hazardous Waste Compliance Docket Facilities. A review of the DOCKET HWC database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.36. Bond Expenditure Plan (CA BOND EXP PLAN)

The California Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Act funds. This information has not been updated since 1994. A review of the CA BOND EXP PLAN database, as provided by EDR, revealed no listed site is located within a 1.0-mile search radius of the Subject Property.

4.3.7.37. "Cortese" Hazardous Waste & Substances Site (Cortese)

The "Cortese" Hazardous Waste & Substances Site List (Cortese) is a listing of sites designated by the State Water Board (LUST), the Integrated Waste Board (SWF/LS), and the DTSC (Cal-Sites). A review of the Cortese database, as provided by EDR, revealed that 13 listed sites are located within a 0.5-mile search radius of the Subject Property.

Table 15 – Cortese List

Dist. (mi)	Elev.	Site Name	Site Address	Global ID	Facility Status	SP REC
0.123 NE	Equal/Higher	G&M S/S	401 Atlantic Blvd	T0603705293	Completed – Case Closed	No
0.169 NE	Equal/Higher	Uzeta AMC	377 Atlantic Blvd	T0603704575	Completed – Case Closed	No
0.305 NE	Equal/Higher	UNOCAL 1107	300 Atlantic Blvd	T0603704571	Completed – Case Closed	No
0.313 NNE	Equal/Higher	EXXON/Mobile 18-ETY	301 Atlantic Blvd	T10000006475	Completed – Case Closed	No
0.348 N	Equal/Higher	LA CO Sheriff East	5019 E 3rd Street	T0603704650	Completed – Case Closed	No
0.409 NE	Equal/Higher	Pep Boys Store 652	256 Atlantic Blvd	T0603758495	Completed – Case Closed	No

0.464 NE	Equal/Higher	Chevron 93699	250 Atlantic Blvd	T0603704596	Completed – Case Closed	No
0.054 SE	Equal/Higher	Burger King	545 ½ Atlantic Blvd	T0603705382	Completed – Case Closed	No
0.062 SE	Lower	R-Boys 99 Cents Store	601 Atlantic Blvd	T0603704853	Completed – Case Closed	No
0.173 SSE	Lower	Freeway Ford	666 Atlantic Blvd	T0603704619	Completed – Case Closed	No
0.202 SE	Lower	Ralph Moran Property	4247 003rd Street	T0603704724	Completed – Case Closed	No
0.358 S	Lower	ARCO 6153	5200 Whittier Ave	T0603702801	Completed – Case Closed	No
0.472 S	Lower	US Postal Service	975 Atlantic Blvd	T0603705437	Completed – Case Closed	No

These sites do not constitute a REC due to its distance, location with respect to groundwater flow, and/or regulatory status (No Further Action/Case Closed).

4.3.7.38. CUPA Listings

Californians are protected from hazardous waste and hazardous materials by a Unified Program that ensures consistency throughout the state regarding administrative requirements, permits, inspections, and enforcement. CalEPA oversees the statewide implementation of the Unified Program and its 81 certified local government agencies, known as Certified Unified Program Agencies (CUPAs), which apply regulatory standards established by five different state agencies.

Effective January 1, 2009, all regulated businesses and local government Unified Program Agencies (UPAs) are required to submit Unified Program information electronically, either to the local regulatory agency or to the California Environmental Reporting System (CERS). The law requires all regulated businesses and all regulated local government Unified Program Agencies (UPAs), to use the Internet to electronically report and submit required Unified Program information previously recorded on paper forms. This includes facility data regarding hazardous material regulatory activities, chemical inventories, underground and aboveground storage tanks, and hazardous waste generation. It also includes UPA data such as inspections and enforcement actions.

A review of CUPA Listings, as provided by EDR, revealed that the Subject Property is not listed, and that there is no site within a 0.25-mile search radius of the Subject Property.

4.3.7.39. Cleaner Facilities (DRYCLEANERS)

The USEPA maintains the Cleaner Facilities (DRYCLEANERS) database, which is a listing of drycleaner related facilities with EPA ID numbers and drycleaner related Standard Industrial

Classification (SIC) codes. A review of the DRYCLEANERS database, as provided by EDR, revealed that there is 1 listed site within a 0.25-mile search radius of the Subject Property.

Table 16 – Drycleaners List

Dist. (mi)	Elev.	Site Name	Facility ID	Site Address	Violations	SP REC
Not Reported	Not Reported	Alpha Cleaners	45711	421 N Atlantic Blvd	No	No

Based on compliance status (no listed violations, no documented leaks), the listed site does not constitute a REC regarding the Subject Property.

4.3.7.40. Emissions Inventory Data (EMI)

The California Air Resources Board (ARB) maintains the Emissions Inventory Data (EMI) database, which is a listing of air toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies. A review of the EMI database, as provided by EDR, revealed that Subject Property is a listed site. However, due to no violations, it is not considered a REC.

4.3.7.41. Enforcement Action Listing (ENF)

The State Water Board maintains the Enforcement Action Listing (ENF) database, which is a listing of enforcement actions. A review of the ENF database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.42. DTSC Financial Assurance Information Listing (Financial Assurance)

The DTSC and CalRecycle maintain the Financial Assurance Information Listing (Financial Assurance) database, which is a listing of financial assurance information for solid waste facilities. A review of the Financial Assurance database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.43. Facility and Manifest Data (HAZNET)

The DTSC maintains the Facility and Manifest Data (HAZNET), which is a listing of data from hazardous waste manifests received by the DTSC. A review of the HAZNET database, as provided by EDR, revealed that no listed sites are located within a 1.0-mile radius search.

4.3.7.44. Inspections Complaints and Enforcement Database (ICE)

The DTSC maintains the ICE database, which is a listing of RCRA inspection and enforcement actions. A review of the ICE database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.45. Hazardous Waste & Substance Site List (HIST CORTESE)

The sites for the list are designated by the State Water Board (LUST), CalRecycle (SWF/LS), and the DTSC (Cal-Sites). This listing is no longer updated by Cal/EPA. A review of the HIST CORTESE database, as provided by EDR, revealed that 11 listed sites are located within a 0.5-mile search radius of the Subject Property.

Table 17 – Hist Cortese List

Dist. (mi)	Elev.	Site Name	Reg. ID	Site Address	Violations	SP REC
0.123 NE	Equal/Higher	G&M S/S	R-16927	401 Atlantic Blvd	No	No
0.169 NE	Equal/Higher	Uzeta AMC	R-01787	377 Atlantic Blvd	No	No
0.313 NNE	Equal/Higher	EXXON USA 7	I-09678	301 Atlantic blvd	No	No
0.331 N	Equal/Higher	E Los Angeles She	R-04705	5019 003rd Street	No	No
0.464 NE	Equal/Higher	Chevron #9-3699	R-02561	250 Atlantic Blvd	No	No
0.054 SE	Lower	Burger King	R-23096	545 ½ Atlantic Blvd	No	No
0.066 SE	Lower	R-Boys 99 Cents Store	R-09726	601 Atlantic Blvd	No	No
0.173 SSE	Lower	Freeway Ford	R-03618	666 Atlantic Blvd	No	No
0.202 SE	Lower	Ralph Moran Property	R-06196	4247 003rd Street	No	No
0.358 S	Lower	ARCO 6153	I-01792	5200 Whittier Ave	No	No
0.472 S	Lower	US Postal Service	R-24209	975 Atlantic Blvd	No	No

Based on compliance status, distance, and/or location with respect to groundwater flow from the Subject Property (no listed violations, no documented leaks), the listed sites do not constitute a REC regarding the Subject Property.

4.3.7.46. EnviroStor Permitted Facilities Listing (HWP)

The DTSC maintains the EnviroStor Permitted Facilities (HWP) database, which is a listing of permitted hazardous waste facilities and corrective actions. A review of the HWP database, as provided by EDR, revealed that 2 listed sites are located within a 1.0-mile search radius of the Subject Property.

Table 18 – HWP List

Dist. (mi)	Elev.	Site Name	Site Address	EPA ID	Status	SP REC
0.906 SSE	Lower	Sardo & Sons Warehouse	5500 Union Pacific Ave	CAD983667783	Closed	No
0.942 SSE	Lower	ESB Incorporated	5700 E Olympic Blvd	CAD008312951	Protective Filer	No

Based on compliance status, distance, and/or from the Subject Property (no listed violations, no documented leaks), the listed sites do not constitute a REC regarding the Subject Property.

4.3.7.47. Registered Hazardous Waste Transporter Database (HWT)

The DTSC maintains the Registered Hazardous Waste Transporter Database (HWT) database, which is a listing of registered hazardous waste transporters. A review of the HWT database, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

4.3.7.48. Mine Site Location Listing (MINES)

The California Department of Conservation maintains the Mines Site Location (MINES) database, which is a listing of mine site locations obtained from the Office of Mine Reclamation. A review of the MINES database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.49. Medical Waste Management Program Listing (MWMP)

The California Department of Public Health maintains the Medical Waste Management Program (MWMP) database, which is a listing of medical waste off-site treatment facilities and transfer stations. A review of the MWMP database, as provided by EDR, revealed that no listed sites are located within a 0.25-mile search radius of the Subject Property.

4.3.7.50. NPDES Permits Listing (NPDES)

The State Water Board maintains the NPDES Permits (NPDES) database, which is a listing of facilities that have been issued permits to discharge wastewater under the NPDES program. A review of the NPDES database, as provided by EDR, revealed that the Subject Property is a listed site. However, due to no violations, it is not considered a REC.

4.3.7.51. Pesticide Regulation Licenses Listing (PEST LIC)

The California Department of Pesticide Regulation (DPR) maintains the Pesticide Regulation Licenses (CA PEST LIC) database, which is a listing of licenses and certificates issued by the DPR to persons and businesses that apply or sell pesticides, pest control dealers and brokers, and persons who advise on agricultural pesticide applications. A review of the PEST LIC database, as provided by EDR, revealed that the Subject Property is not a listed site.

4.3.7.52. Certified Processors Database (PROC)

CalRecycle maintains the Certified Processors (PROC) database, which is a listing of certified processors that participate in the California Beverage Container Recycling Program. A review of the CA PROC database, as provided by EDR, revealed that no listed sites located within a 0.5-mile search radius of the Subject Property.

4.3.7.53. Proposition 65 Records (NOTIFY 65)

The State and Regional Water Boards created the Proposition 65 Records (NOTIFY 65) database, which was a listing of all Proposition 65 incidents reported to counties by the Water Boards. This database is no longer being updated. A review of the NOTIFY 65 database, as provided by EDR, revealed that there is no listed site within a 1.0-mile search radius of the Subject Property.

4.3.7.54. Underground Injection Wells (UIC)

The California Department of Conservation maintains the Underground Injection Wells (UIC) database, which is a listing of underground injection wells in the California Oil and Gas Wells database. A review of the UIC database, as provided by EDR, revealed that no listed wells are located on the Subject Property.

4.3.7.55. Waste Discharge System (CERS)

The State Water Board maintains the Waste Discharge System (CA WDS) database, which is a listing of sites which have been issued waste discharge requirements. A review of the WDS database, as provided by EDR, revealed Subject Property is not a listed site, and revealed that no listed sites were within a 0.25-mile search radius of the Subject Property.

4.3.7.56. Hazardous Waste Tracking System (HWTS)

The Hazardous Waste Tracking System (HWTS) is the Department of Toxic Substances Control data repository for hazardous waste Identification (ID) numbers and manifest information. HWTS generates reports on hazardous waste shipments for generators, transporters, and TSDFs. A review of the EDR HWTS database, revealed that no listed sites are within a 0.25-mile search radius of the Subject Property. The Subject Property is listed. However, due to no violations, it is not considered a REC.

4.4. EDR High Risk Historical Records

4.4.1.1. EDR Manufactured Gas Plant Database (EDR MGP)

The EDR Proprietary Manufactured Gas Plant (EDR MGP) database includes records of coal gas plants. MGPs were used in the United States from the 1800s to 1950s to produce a gas that could be distributed and used as fuel. Many of the byproducts of the gas production, such as coal tar, sludge, oils, and other compounds, are potentially hazardous to human health and the environment. These byproducts were frequently disposed of directly at the MGP site and can remain or spread slowly,

serving as a continuous source of soil and groundwater contamination. A review of the EDR MGP database, revealed that no listed MGP site is located within a 1.0-mile search radius of the Subject Property.

4.4.1.2. EDR Historic Gas Stations Database (EDR Hist Auto)

The EDR Historic Gas Stations (EDR Hist Auto) database is a listing of historical gas stations obtained by searching and analyzing selected collections of business directories. The database listing includes gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas stations, gasoline stations, filling stations, automobile repair, auto service stations, and service stations. A review of the EDR Hist Auto database, revealed that 7 potentially historic gas stations are located within a 0.125-mile search radius of the Subject Property.

Table 19 – Historical Auto List

Dist. (mi)	Elev.	Site Name	Site Address	Violations	SP REC
0.049 ENE	Equal/Higher	Alcantars Drive train	465 S Atlantic Blvd	No	No
0.089 E	Equal/Higher	Urich Rudolph	500 S Atlantic Blvd	No	No
0.122 NW	Equal/Higher	Huerta Juan	454 Ferris Ave	No	No
0.123 NE	Equal/Higher	Ingram E E	401 S Atlantic Blvd	No	No
0.048 E	Lower	Babes Gilmore Services	501 S Atlantic Blvd	No	No
0.062 SE	Lower	Murray Barber	601 S Atlantic Blvd	No	No
0.082 SE	Lower	Graffin E H	600 S Atlantic Blvd	No	No

Based on compliance status (no listed violations, no documented leaks) and/or location with respect to groundwater flow, the listed sites do not constitute a REC regarding the Subject Property.

4.4.1.3. EDR Historic Dry Cleaners Database (EDR Hist Cleaner)

The EDR Historic Dry Cleaners (EDR Hist Cleaner) database is a listing of historical dry cleaners obtained by searching and analyzing collections of business directories. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. A review of the EDR Hist Cleaners database, revealed that no potentially historic dry cleaners are located within a 0.125-mile search radius of the Subject Property.

4.4.1.4. Recovered Government Archive Solid Waste Facilities List (RGA LF)

The EDR Recovered Government Archive Landfill (RGA LF) database provides a list of landfills derived from historical databases and includes many records that no longer appear in current

government lists. This database was compiled from records formerly available from the California Department of Resources Recycling and Recovery. A review of the RGA LF database, revealed that the Subject Property is not a listed facility.

4.4.1.5. Recovered Government Archive Leaking Underground Storage Tanks List (RGA LUST)

The EDR Recovered Government Archive Leaking Underground Storage Tank (RGA LUST) database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. This database was compiled from records formerly available from the California Water Board. A review of the RGA LUST database, revealed that the Subject Property is not a listed facility.

4.5. Flood Plains and Wetlands

4.5.1.1. Flood Plain

Based upon the review and findings of the FEMA National Flood hazard Database, the Subject Property is listed under Zone X and classified as an area of minimal flood hazard. This means that the Subject Property is located within an area with a 0.2% annual chance of flood, outside of the 100 and 500-year flood plains (see Figure 3). No concerns are presented based upon review of the report.

4.5.1.2. Wetlands

Based upon the review and findings of the National Wetlands Inventory, the Subject Property is not located within 1 mile of any recognized wetlands. No concerns are presented based upon review of the report.

4.6. Other Reviewed Environmental Documents and Agency Information

No previous reports were provided regarding this site to review.

A review of the State Water Resources Regional Water Quality Control Board's Geotracker website did not indicate any listing for the Subject Property, or for adjacent properties.

A review of information provided by the following agencies did not indicate any environmental concerns for the Subject Property:
Los Angeles County Fire Department, Health Hazardous Materials Division (HMMD)
City of Los Angeles Fire Department, Hazardous Materials and UST Divisions
City of Los Angeles Bureau of Sanitation
Los Angeles County Department of Public Works

5.0 FINDINGS AND OPINIONS

This section describes the findings and opinions resulting from the performance of this Phase I ESA for Garfield High School located at 5101 East 6th Street, Los Angeles, CA 90022.

5.1. On-Site Conditions

The assessment has identified the following potential RECs:

- 3-stage clarifier and hydraulic hoists associated with the existing autobody shop building (Building 500). A second 3-stage clarifier is located west of Building 300.
- Records/site reconnaissance identifying a former autobody shop, wood shop, printing shop, electrical shop, and metal/welding shop located on the west portion of the Subject Property
- Southern California Edison transformers located in the south end area
- Subject Property located within a City of Los Angeles Methane Buffer Zone
- Potential for organochloride pesticides, and arsenic contamination of shallow soils around drip lines of buildings resulting from the use of termiticides, herbicides, and at locations where buildings may be demolished
- The use of the ROTC building for a shooting range since approximately 1946.
- Former freight elevator and associated hoists located at the northwest corner of Building 500

5.2. Off-Site Conditions

No RECs have been identified.

5.3. Deviation from ASTM Standards

Due to the COVID-19 pandemic, certain aspects such as certain agency visits were not able to be completed.

6.0 CONCLUSIONS & RECOMMENDATIONS

This section describes the findings and opinions resulting from the performance of this Phase I ESA for Garfield High School located at 5101 East 6th Street, Los Angeles, CA 90022.

6.1. On-Site Conditions

Recognized Environmental Conditions were identified at the Subject Property. A Preliminary Environmental Assessment (PEA) equivalent is recommended at locations/buildings that may be impacted by the pending modernization/demolition.

6.2. Off-Site Conditions

No off-site conditions were noted as a risk or concern to the Subject Property.

7.0 SUMMARY OF ENVIRONMENTAL RECORDS & SIGNATURES OF PREPARERS

Millennium has reviewed the environmental records supplied in the EDR report as well as records obtained from the California Regional Water Quality Control Board.

ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312.

I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the Subject Property. I have developed and performed all appropriate inquiries in conformance with the standard and practices set forth in 40 CFR Part 312.

Scott Nunes
Director of Building Sciences SoCal Division

8.0 REFERENCES

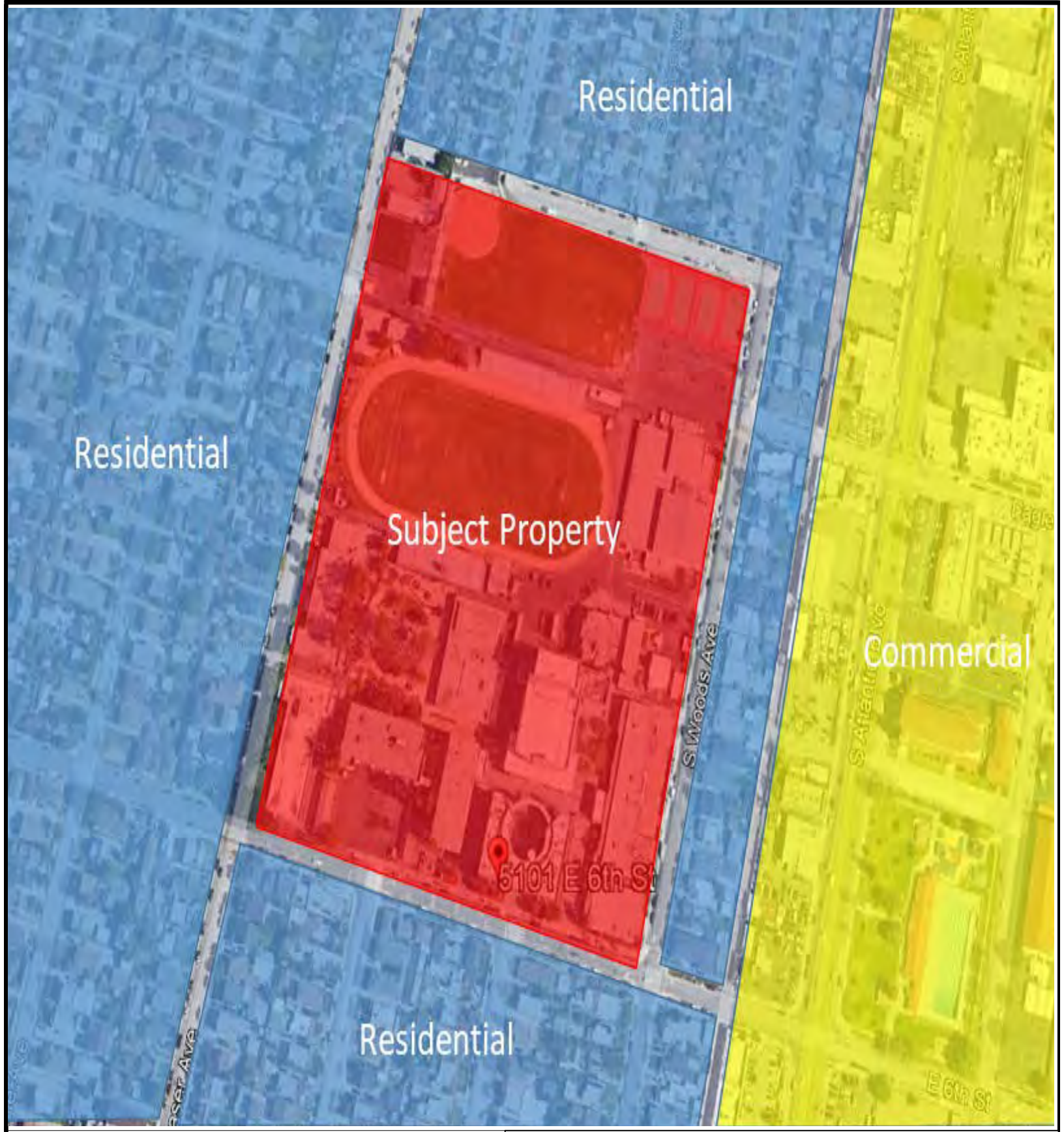
All references are defined in other sections of this document.

FIGURES

GARFIELD HIGH SCHOOL LAUSD

MILLENNIUM CONSULTING ASSOCIATES
LA MIRADA, CA

SCALE: N.T.S.	FOR	JAMES A. GARFIELD HIGH SCHOOL PHASE I ESA - 5101 E. 6th ST., LOS ANGELES, CA 90022	
DATE: 01/19/2022			
DRWN: DS	TITLE	SITE MAP	
CHECKED: SN			
APPROVED: SN	JOB NO. 12060.2005		DWG. NO. FIGURE-1



GARFIELD HIGH SCHOOL LAUSD

MILLENNIUM CONSULTING ASSOCIATES
LA MIRADA, CA

SCALE: N.T.S.	FOR JAMES A. GARFIELD HIGH SCHOOL PHASE I ESA - 5101 E. 6th ST., LOS ANGELES, CA 90022
DATE: 01/19/2022	
DRWN: DS	TITLE VICINITY MAP
CHECKED: SN	
APPROVED: SN	JOB NO. 12060.2005 DWG. NO. FIGURE-2

National Flood Hazard Layer FIRMette

FEMA

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS
  - Without Base Flood Elevation (BFE) Zone A, V, A99
  - With BFE or Depth Zone AE, AO, AH, VE, AR
  - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD
  - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
  - Future Conditions 1% Annual Chance Flood Hazard Zone X
  - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
  - Area with Flood Risk due to Levee Zone D
- OTHER AREAS
  - NO SCREEN Area of Minimal Flood Hazard Zone X
  - Effective LOMRs
  - Area of Undetermined Flood Hazard Zone D
- GENERAL STRUCTURES
  - Channel, Culvert, or Storm Sewer
  - Levee, Dike, or Floodwall
- OTHER FEATURES
  - 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
  - Coastal Transect
  - Base Flood Elevation Line (BFE)
  - Limit of Study
  - Jurisdiction Boundary
  - Coastal Transect Baseline
  - Profile Baseline
  - Hydrographic Feature
- MAP PANELS
  - Digital Data Available
  - No Digital Data Available
  - Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/19/2022 at 7:40 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

GARFIELD HIGH SCHOOL LAUSD

MILLENNIUM CONSULTING ASSOCIATES
LA MIRADA, CA

SCALE:	N.T.S.	FOR	JAMES A GARFIELD HIGH SCHOOL PHASE I ESA - 5101 E 6th St., LOS ANGELES, CA 90022
DATE:	01/19/2022		
DRWN:	DS	TITLE	FEMA FLOOD MAP
CHECKED:	SN		
APPROVED:	SN	JOB NO. 12060.2005	DWG. NO. FIGURE-3

APPENDIX A

Aerial Photographs

Garfiield High School

5101 East 6th Street

Los Angeles, CA 90022

Inquiry Number: 6793054.11

December 17, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

12/17/21

Site Name:

Garfiield High School
5101 East 6th Street
Los Angeles, CA 90022
EDR Inquiry # 6793054.11

Client Name:

Millennium Environmental Consulting
4683 Chabot Drive Ste. 380
Pleasanton, CA 94588
Contact: Scott Nunes

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 22, 1989	USDA
1981	1"=500'	Flight Date: February 17, 1981	EDR Proprietary Brewster Pacific
1979	1"=500'	Flight Date: May 11, 1979	EDR Proprietary Brewster Pacific
1972	1"=500'	Flight Date: November 24, 1972	EDR Proprietary Brewster Pacific
1964	1"=500'	Flight Date: July 28, 1964	USGS
1952	1"=500'	Flight Date: August 02, 1952	USGS
1948	1"=500'	Flight Date: July 10, 1948	USGS
1938	1"=500'	Flight Date: May 22, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR
1923	1"=500'	Flight Date: January 01, 1923	FAIR

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


INQUIRY #: 6793054.11
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 6793054.11
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 6793054.11
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 6793054.11
YEAR: 2005
= 500'
N
EDR


INQUIRY #: 6793054.11
YEAR: 2002
= 500'
N
EDR


INQUIRY #: 6793054.11
YEAR: 1994
= 500'
N
EDR


INQUIRY #: 6793054.11
YEAR: 1989
= 500'
N
EDR


INQUIRY #: 6793054.11
YEAR: 1981
= 500'
N
EDR


INQUIRY #: 6793054.11
YEAR: 1979
= 500'
N
EDR


INQUIRY #: 6793054.11
YEAR: 1972
= 500'
N
EDR


INQUIRY #: 6793054.11
YEAR: 1964
= 500'
N
EDR

INQUIRY #: 6793054.11

YEAR: 1952

= 500'

N

EDR


INQUIRY #: 6793054.11
YEAR: 1948
= 500'
N
EDR


INQUIRY #: 6793054.11
YEAR: 1938
= 500'
N
EDR


INQUIRY #: 6793054.11
YEAR: 1928
= 500'
N
EDR

INQUIRY #: 6793054.11

YEAR: 1923

= 500'

N

EDR

APPENDIX B
PHOTOGRAPHIC LOG

James A. Garfield south entrance facing north.

Auto shop yard located on the east end of campus. Garfield High School Wellness Center adjacent from the auto yard. East end of yard facing northeast corner.

Northeast corner of Auto shop yard. 3-stage clarifier observed.

Auto shop yard located on the east end of campus. Garfield High School Wellness Center adjacent from the auto yard. East end of yard facing north. Two waste drums (used oil and coolant) are stored in the yard on an elevated concrete slab as a secondary containment. Two empty storage tanks for gas are also stored near the area.

East end of Auto shop yard. Tires storage and compressed air tank storage observed.

East and northeast ends of Auto shop yard. Full bottles of compressed air used for shop processes stored in cages.

Auto shop interior north wall. Hydraulic lifts and hoists observed along with pneumatic tools and equipment. Flammable storage box observed.

Out of use freight elevator located on exterior of building 500.

Classroom buildings 803 and 804.

Paint storage room located at west end of campus in maintenance yard.

Fuel storage room with secondary containment within located on west end of campus in maintenance yard adjacent to maintenance offices.

Floor drain located in center of maintenance yard area.

Southeast corner of building 200.

Building 200 interior main corridors.

Building 200 chemical storage room.

Campus transformers/ SCE utility boxes located south end of campus.

3-stage clarifier located adjacent to building 300.

Former shooting range building now associated with ROTC.

Interior shooting gallery in ROTC building.

Northwest corner of recreational field facing southeast.

APPENDIX C
ENVIRONMENTAL DATABASE REPORT

Garfiield High School
5101 East 6th Street
Los Angeles, CA 90022

Inquiry Number: 6793054.8
December 17, 2021

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

About This Report

Executive Summary

Findings

Glossary

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Millennium Environmental Consulting on Dec 17, 2021.

TARGET PROPERTY

5101 East 6th Street
Los Angeles, CA 90022

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Los Angeles County

Year	*Source*	*TP*	*Adjoining*
2021	Los Angeles County, Building and Safety		X
2020	Los Angeles County, Building and Safety		X
2019	Los Angeles County, Building and Safety		X
2018	Los Angeles County, Building and Safety		X
2017	Los Angeles County, Building and Safety		X
2016	Los Angeles County, Building and Safety		X
2015	Los Angeles County, Building and Safety		X
2014	Los Angeles County, Building and Safety		X
2013	Los Angeles County, Building and Safety		X
	Los Angeles County, Building and Safety	X	
2012	Los Angeles County, Building and Safety		X
2011	Los Angeles County, Building and Safety		X
2010	Los Angeles County, Building and Safety		X
2009	Los Angeles County, Building and Safety		X
2008	Los Angeles County, Building and Safety		X
2007	Los Angeles County, Building and Safety		X
2006	Los Angeles County, Building and Safety		X
2005	Los Angeles County, Building and Safety		X
2004	Los Angeles County, Building and Safety		X
2003	Los Angeles County, Building and Safety		X
2002	Los Angeles County, Building and Safety		X
2001	Los Angeles County, Building and Safety		X
2000	Los Angeles County, Building and Safety		X
1999	Los Angeles County, Building and Safety		X
1998	Los Angeles County, Building and Safety		X
1997	Los Angeles County, Building and Safety		X
1996	Los Angeles County, Building and Safety		X
1995	Los Angeles County, Building and Safety		X

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

Year	Source	TP	Adjoining
1994	Los Angeles County, Building and Safety		X
1993	Los Angeles County, Building and Safety		
1992	Los Angeles County, Building and Safety		
1991	Los Angeles County, Building and Safety		
1990	Los Angeles County, Building and Safety		
1989	Los Angeles County, Building and Safety		
1988	Los Angeles County, Building and Safety		
1987	Los Angeles County, Building and Safety		
1986	Los Angeles County, Building and Safety		
1985	Los Angeles County, Building and Safety		
1984	Los Angeles County, Building and Safety		
1983	Los Angeles County, Building and Safety		
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1978	Los Angeles County, Building and Safety		
1977	Los Angeles County, Building and Safety		
1976	Los Angeles County, Building and Safety		
1975	Los Angeles County, Building and Safety		
1974	Los Angeles County, Building and Safety		
1973	Los Angeles County, Building and Safety		
1972	Los Angeles County, Building and Safety		
1971	Los Angeles County, Building and Safety		
1970	Los Angeles County, Building and Safety		

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Los Angeles County
Years: 1970-2021
Source: Los Angeles County, Building and Safety, Alhambra, CA
Phone: (626) 458-6368

Name: Brentwood
Years: 1974-2020
Source: City of Brentwood, Building and Code Enforcement, BRENTWOOD, CA
Phone: (925) 516-5405

Name: Burbank
Years: 1970-2021
Source: City of Burbank, Building Division, Burbank, CA
Phone: (818) 238-5220

Name: Los Angeles
Years: 1919-2021
Source: City of Los Angeles, Department of Building and Safety, LOS ANGELES, CA
Phone: (213) 482-6800

Name: Rialto
Years: 1981-2020
Source: City of Rialto, Building and Safety, RIALTO, CA
Phone: (909) 820-2505

Name: San Bernardino County
Years: 1970-2021
Source: San Bernardino County, Land Use, Building & Safety, SAN BERNARDINO, CA
Phone: (909) 387-8311

Name: Santa Monica
Years: 1979-2021
Source: City of Santa Monica, Building and Safety, SANTA MONICA, CA
Phone: (310) 458-8355

Name: Huntington Beach
Years: 1964-2021
Source: Huntington Beach, Dept. of Building and Safety, Huntington Beach, CA
Phone: (714) 536-5241

Name: Inglewood
Years: 1988-2018
Source: City of Inglewood, Planning Division, INGLEWOOD, CA
Phone: (310) 412-5230

Name: Baldwin Park
Years: 1992-2021
Source: Baldwin Park, Building and Safety, BALDWIN PARK, CA
Phone: (626) 813-5265

Name: West Hollywood
Years: 1989-2021
Source: City of West Hollywood, Building and Safety, LOS ANGELES, CA
Phone: 323-848-6320

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

5101 East 6th Street
Los Angeles, CA 90022

5101 6TH ST

Date:	**6/13/2013**
Permit Type:	**SE**
Description:	**TAP & SADDLE**
Permit Description:	**SEWER PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1306130006
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	D T S ENGINEERING CONTRACTORS

5101 EAST 6TH STREET

Date:	**6/13/2013**
Permit Type:	**SE**
Description:	**TAP & SADDLE**
Permit Description:	**SEWER PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1306130006
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	D T S ENGINEERING CONTRACTORS

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

6TH ST

5010 6TH ST

Date:	**5/22/2008**
Permit Type:	**BL**
Description:	**(N) NON-BEARING PARTITION TO CREATE (N) BEDROOM**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADD/ALT
Proposed Use:	
Permit Number:	0805160011
Status:	FINALED
Valuation:	$2,000.00
Contractor Company:	
Contractor Name:	

ATLANTIC S AVE

535 ATLANTIC S AVE

Date:	**6/10/1996**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR SIGN**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9606100001
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PLASTI-LINE WEST

ADJOINING PROPERTY FINDINGS

Date:	**6/10/1996**
Permit Type:	**BL**
Description:	**SIGN**
Permit Description:	**BUILDING PERMIT**
Work Class:	SIGN
Proposed Use:	
Permit Number:	9606100005
Status:	FINALED
Valuation:	$8,500.00
Contractor Company:	
Contractor Name:	PLASTI-LINE WEST

Date:	**5/16/1996**
Permit Type:	**ME**
Description:	**AIR HANDLING UNITS**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9605160001
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	L AND R CONSTRUCTION

Date:	**3/8/1996**
Permit Type:	**PL**
Description:	**PLUMBING FIXTURES**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9603080001
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	L AND R CONSTRUCTION

ADJOINING PROPERTY FINDINGS

Date: **3/8/1996**
Permit Type: **SE**
Description: **HOUSE SEWER CONNECTING TO PUBLIC SEWER**

Permit Description: **SEWER PERMIT**
Work Class:
Proposed Use:
Permit Number: 9603080001
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: L AND R CONSTRUCTION

Date: **2/14/1996**
Permit Type: **BL**
Description: **NEW RESTURANT**

Permit Description: **BUILDING PERMIT**
Work Class:
Proposed Use:
Permit Number: 9602140007
Status: PERMISUD
Valuation: $237,500.00
Contractor Company:
Contractor Name: L AND R CONSTRUCTION

605 ATLANTIC S AVE

Date: **11/3/2000**
Permit Type: **PL**
Description: **3 FLOOR SINKS, 2 SINKS, 1 WATER HEATER**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 0011030005
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: PERFECT CONSTRUCTION AND PAINTING

ADJOINING PROPERTY FINDINGS

Date:	**11/3/2000**
Permit Type:	**EL**
Description:	**3 BRANCH CIRCUITS, 2 OUTLETS, 2 FIXTURES, 1 ELECTRIC WATER HEATER**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0011030008
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PERFECT CONSTRUCTION AND PAINTING

Date:	**11/3/2000**
Permit Type:	**BL**
Description:	**PARTITION WALLS FOR NEW WATER STORE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0011030010
Status:	FINALED
Valuation:	$30,000.00
Contractor Company:	
Contractor Name:	PERFECT CONSTRUCTION AND PAINTING

ADJOINING PROPERTY FINDINGS

607 ATLANTIC S AVE

Date:	**5/12/2016**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR T.I. TO CONVERT 2067SF RETAIL SPACE TO MEDICAL CLINIC & INTERIOR REMODEL TO EXISTING 1820SF MEDICAL CLINIC, TO CREATE 3887SF MEDICAL CLINIC.**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1602160035
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PREMIUM ELECTRIC

Date:	**5/10/2016**
Permit Type:	**PL**
Description:	**PLUMBING FOR T.I. TO CONVERT 2067SF RETAIL SPACE TO MEDICAL CLINIC & INTERIOR REMODEL TO EXISTING 1820SF MEDICAL CLINIC, TO CREATE 3887SF MEDICAL CLINIC.**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1605100015
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	BOLAN PLUMBING, INC.

ADJOINING PROPERTY FINDINGS

Date:	**5/9/2016**
Permit Type:	**BL**
Description:	**TENANT IMPROVEMENT TO CONVERT 2067SF RETAIL SPACE TO MEDICAL CLINIC AND INTERIOR REMODEL TO EXISTING 1820SF MEDICAL CLINIC, TO CREATE 3887SF MEDICAL CLINIC.**
Permit Description:	**BUILDING PERMIT**
Work Class:	TENANT IMPROVEMENT
Proposed Use:	
Permit Number:	1602100070
Status:	FINALED
Valuation:	$207,000.00
Contractor Company:	
Contractor Name:	E AND A MECHANICAL, INC.

Date:	**5/9/2016**
Permit Type:	**ME**
Description:	**MECHANICAL FOR T.I. TO CONVERT 2067SF RETAIL SPACE TO MEDICAL CLINIC & INTERIOR REMODEL TO EXISTING 1820SF MEDICAL CLINIC, TO CREATE 3887SF MEDICAL CLINIC.**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1602160023
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	E AND A MECHANICAL, INC.

ADJOINING PROPERTY FINDINGS

611 ATLANTIC S AVE

Date:	**5/9/2016**
Permit Type:	**PL**
Description:	**PLUMBING FOR T.I. TO CONVERT 2067SF RETAIL SPACE TO MEDICAL CLINIC & INTERIOR REMODEL TO EXISTING 1820SF MEDICAL CLINIC, TO CREATE 3887SF MEDICAL CLINIC.**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1602160033
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	BOLAN PLUMBING, INC.

Date:	**9/28/1999**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR 1 SIGN**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9909280015
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	DIVERSIFIED SIGNS AND GRAPHICS

ADJOINING PROPERTY FINDINGS

Date:	**9/28/1999**
Permit Type:	**BL**
Description:	**INSTALL 32" CHANNEL SETTER SIGN**
Permit Description:	**BUILDING PERMIT**
Work Class:	SIGN
Proposed Use:	
Permit Number:	9909280016
Status:	FINALED
Valuation:	$4,000.00
Contractor Company:	
Contractor Name:	DIVERSIFIED SIGNS AND GRAPHICS

Date:	**5/18/1995**
Permit Type:	**BL**
Description:	**TENANT IMPROV.**
Permit Description:	**BUILDING PERMIT**
Work Class:	TENANT IMPROVEMENT
Proposed Use:	
Permit Number:	9505180046
Status:	FINALED
Valuation:	$72,000.00
Contractor Company:	
Contractor Name:	ROY MARTINEZ

Date:	**5/18/1995**
Permit Type:	**EL**
Description:	**ELECT. FOR T. I**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9505180017
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ROY MARTINEZ

ADJOINING PROPERTY FINDINGS

Date: **5/1/1995**
Permit Type: **EL**
Description: **SIGN WITH ONE BRANCH CIRCUIT**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9505010029
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: 7UPERIOR ELECTRIC ADVERTISING, INC.

Date: **5/1/1995**
Permit Type: **BL**
Description: **WALL SIGN**

Permit Description: **BUILDING PERMIT**
Work Class:
Proposed Use:
Permit Number: 9505010041
Status: FINALED
Valuation: $6,400.00
Contractor Company:
Contractor Name: SUPERIOR ELECTRICAL ADVERTISING

Date: **2/14/1995**
Permit Type: **BL**
Description: **TENANT IMPROVEMENT**

Permit Description: **BUILDING PERMIT**
Work Class: TENANT IMPROVEMENT
Proposed Use:
Permit Number: 9502140029
Status: FINALED
Valuation: $5,000.00
Contractor Company:
Contractor Name: LEV YASNOGORODSKY

ADJOINING PROPERTY FINDINGS

615 ATLANTIC S AVE

Date:	**5/12/2016**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR INTERIOR REMODEL TO EXISTING 1415SF MEDICAL CLINIC**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1602160034
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PREMIUM ELECTRIC

Date:	**5/10/2016**
Permit Type:	**PL**
Description:	**PLUMBING FOR INTERIOR REMODEL TO EXISTING 1415SF MEDICAL CLINIC**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1602160031
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	BOLAN PLUMBING, INC.

Date:	**5/9/2016**
Permit Type:	**BL**
Description:	**INTERIOR REMODEL TO EXISTING 1415SF MEDICAL CLINIC**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1602100071
Status:	FINALED
Valuation:	$75,700.00
Contractor Company:	
Contractor Name:	E AND A MECHANICAL, INC.

ADJOINING PROPERTY FINDINGS

Date: **5/9/2016**
Permit Type: **ME**
Description: **MECHANICAL FOR INTERIOR REMODEL TO EXISTING 1415SF MEDICAL CLINIC**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 1602160021
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: E AND A MECHANICAL, INC.

633 ATLANTIC S AVE

Date: **5/29/1996**
Permit Type: **ME**
Description: **AIR HANDLING UNIT**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9605290001
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: ETHICAL CONSTRUCTION

Date: **2/29/1996**
Permit Type: **ME**
Description: **BATH FANS**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9602290001
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: ETHICAL CONSTRUCTION

ADJOINING PROPERTY FINDINGS

Date: **2/5/1996**
Permit Type: **PL**
Description: **PLUMBING FIXTURES**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 9602050001
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: ETHICAL CONSTRUCTION

Date: **2/2/1996**
Permit Type: **EL**
Description: **ELECT. T.I.**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9602020003
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: JAYDEE ELECTRIC

Date: **12/8/1995**
Permit Type: **BL**
Description: **TWO BATHROOMS, REPLACE WOODFRAME STOREFRONT**

Permit Description: **BUILDING PERMIT**
Work Class: COMMERCIAL ADDITION
Proposed Use:
Permit Number: 9510100076
Status: FINALED
Valuation: $18,000.00
Contractor Company:
Contractor Name: ETHICAL CONSTRUCTION CO.

ADJOINING PROPERTY FINDINGS

635 ATLANTIC S AVE

Date:	**4/18/2005**
Permit Type:	**BL**
Description:	**RETURN GARAGE BACK TO ORIGINAL USE REMOVE PARTITION WALLS REMOVE UNPERMITTED ELECTRICAL AND PLUMBING (2 GARAGES)**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0504180017
Status:	PERMISUD
Valuation:	$3,500.00
Contractor Company:	
Contractor Name:	

Date:	**5/3/2004**
Permit Type:	**BL**
Description:	**RETURN GARAGE BACK TO ORIGINAL USE REMOVE PARTITION WALLS REMOVE UNPERMITTED ELECTRICAL AND PLUMBING (2 GARAGES)**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0404230049
Status:	PERMISUD
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **4/13/2004**
Permit Type: **EL**
Description: **MISC CONDUITS**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0404130023
Status: PERMISUD
Valuation: $0.00
Contractor Company:
Contractor Name: GALAXY E CONSTRUCTION

Date: **7/26/1996**
Permit Type: **EL**
Description: **TWO SUB PANEL**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9607260005
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: EBENEZER CONSTRUCTION

Date: **2/2/1996**
Permit Type: **EL**
Description: **METER UPGRADE**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9602020005
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: JAYDEE ELECTRIC

ADJOINING PROPERTY FINDINGS

ATLANTIC S BLVD

539 ATLANTIC S BLVD

Date:	**8/28/2003**
Permit Type:	**EL**
Description:	**ONE SIGN CIRCUIT FOR POLE SIGN**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0308280035
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SANG SOP CHU

Date:	**8/28/2003**
Permit Type:	**BL**
Description:	**12' X 15'X6" POLE SIGN-ILLUMINATED**
Permit Description:	**BUILDING PERMIT**
Work Class:	SIGN
Proposed Use:	
Permit Number:	0308280040
Status:	FINALED
Valuation:	$4,600.00
Contractor Company:	
Contractor Name:	SANG SOP CHU

ADJOINING PROPERTY FINDINGS

CLELA AVE

610 CLELA AVE

Date:	**3/3/1999**
Permit Type:	**BL**
Description:	**TEAR AND REROOF W/ SHINGLE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	9903030021
Status:	FINALED
Valuation:	$5,400.00
Contractor Company:	
Contractor Name:	

613 CLELA AVE

Date:	**8/9/2011**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED ADDITIONS TO GARAGE AND TO SFD. RETURN GARAGE TO ORIGINAL USE.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1108090013
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **7/28/2003**
Permit Type: **ME**
Description: **REPLACE WALL FURNACE**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0307280018
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: MARAVILLA FOUNDATION

614 CLELA AVE

Date: **12/12/2002**
Permit Type: **EL**
Description: **1 OUTLET**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0212120008
Status: PERMISUD
Valuation: $0.00
Contractor Company:
Contractor Name: O G M ELECTRIC

ADJOINING PROPERTY FINDINGS

617 CLELA AVE

Date:	**6/19/2008**
Permit Type:	**EL**
Description:	**INSPECTION TO INVESTIGATE REACTIVATION OF ELECTRICAL SERVICE**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0806190005
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

621 CLELA AVE

Date:	**2/28/2008**
Permit Type:	**BL**
Description:	**SANDBLASTING AND RE-STUCCO HOUSE AND GARAGE 1300 SQFT**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0802280035
Status:	FINALED
Valuation:	$7,500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

630 CLELA AVE

Date:	**3/18/2002**
Permit Type:	**EL**
Description:	**UPGRADE SERVICE AND REWIRE**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0203180021
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

634 CLELA AVE

Date:	**9/7/2011**
Permit Type:	**BL**
Description:	**LEGALIZE 108 SQFT BATHROOM ADDITION, CHANGE USE OF DINING ROOM TO CREATE 2 ADDITIONAL BEDROOMS.**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADD/ALT
Proposed Use:	
Permit Number:	1106300054
Status:	PERMISUD
Valuation:	$17,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**9/7/2011**
Permit Type:	**PL**
Description:	**LEGALIZE 108 SQFT BATHROOM ADDITION, CHANGE USE OF DINING ROOM TO CREATE 2 ADDITIONAL BEDROOMS.**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1109070023
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**9/7/2011**
Permit Type:	**EL**
Description:	**LEGALIZE 108 SQFT BATHROOM ADDITION, CHANGE USE OF DINING ROOM TO CREATE 2 ADDITIONAL BEDROOMS.**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1109070042
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**6/30/2011**
Permit Type:	**BL**
Description:	**CONVERT GARAGE BACK TO ORIGINAL USE.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1106300038
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

635 CLELA AVE

Date:	**2/22/2011**
Permit Type:	**BL**
Description:	**STORAGE TO BE LEGALIZED 340SQFT AREA**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADDITION
Proposed Use:	
Permit Number:	1011020045
Status:	PERMISUD
Valuation:	$16,000.00
Contractor Company:	
Contractor Name:	

Date:	**2/22/2011**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED CARPORT & GARAGE ADDITION TO EXISTING 1-CAR GARAGE & DEMO DETACHED CARPORT.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1011020047
Status:	PERMISUD
Valuation:	$5,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

638 CLELA AVE

Date:	**8/5/2013**
Permit Type:	**PL**
Description:	**REPLACE DRAIN PIPES ON (6) FIXTURES; REPLACE WATERPIPE ON (8) FIXTURE; REPLACE MAIN WATER SUPPLY LINE W/ NEW REGULATOR**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1308050025
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	E H T PLUMBING

Date:	**10/13/1995**
Permit Type:	**BL**
Description:	**BOLTING FOUNDATION**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	9510130020
Status:	FINALED
Valuation:	$1,800.00
Contractor Company:	
Contractor Name:	AVRAHAM COHEN

ADJOINING PROPERTY FINDINGS

641 CLELA AVE

Date:	**2/25/2016**
Permit Type:	**EL**
Description:	**UPGRADE ELECTRICAL PANEL 100 AMP (NO INTERIOR WORK TO BE DONE)**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1602250074
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	U S A REPAIRS, INC.

642 CLELA AVE

Date:	**5/13/2002**
Permit Type:	**ME**
Description:	**1 FURNACE REPLACEMENT**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0205100043
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

646 CLELA AVE

Date:	**12/26/1997**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR ADDITION**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9712260004
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**11/10/1997**
Permit Type:	**BL**
Description:	**ROOM ADDITION**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADD/ALT
Proposed Use:	
Permit Number:	9711100028
Status:	PERMISUD
Valuation:	$16,500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

647 CLELA AVE

Date:	**3/19/2021**
Permit Type:	**BLDR**
Description:	**Re doing the gas fireplace to be a direct vent insert and reframing and building the casing of the fireplace**
Permit Description:	**Residential Addition/Alteration Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR210318002342
Status:	New - Online
Valuation:	$3,500.00
Contractor Company:	
Contractor Name:	

Date:	**3/30/2010**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED CARPORT**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1003300048
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**2/14/2007**
Permit Type:	**ME**
Description:	**C/O WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0702140017
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

652 CLELA AVE

Date:	**1/18/2012**
Permit Type:	**BL**
Description:	**REMOVE PATIO IN FRONT OF GARAGE/NO TARPS ALLOWED OTHER VIOLATIONS ON PLOT PLAN UNDER SEPARATE PERMIT**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1201180015
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

653 CLELA AVE

Date:	**11/4/2015**
Permit Type:	**PL**
Description:	**REPLACE 40 GALLON WATER HEATER**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1511040032
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

Date:	**11/4/2015**
Permit Type:	**ME**
Description:	**REPLACE 35K WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1511040039
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

Date:	**9/8/2010**
Permit Type:	**PL**
Description:	**RELOCATE AND REPLACE WATER HEATER.**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1009080010
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**8/10/2010**
Permit Type:	**BL**
Description:	**RESTORE GARAGE TO 18'X16' NO BATHROOM. REMOVE SHED FROM SETBACKS AND TARP STRUCTURES**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1008100007
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

Date:	**12/18/2001**
Permit Type:	**ME**
Description:	**1 WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0112180010
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

657 CLELA AVE

Date:	**3/14/2013**
Permit Type:	**ME**
Description:	**CHANGE OUT 35 K WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1303140028
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

Date:	**3/18/2010**
Permit Type:	**ME**
Description:	**SINGLE WALL FURNACE C/O**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1003180014
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**10/23/2007**
Permit Type:	**BL**
Description:	**RECONVERT GARAGE BACK TO ORIGINAL USE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0710230009
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **12/18/2001**
Permit Type: **PL**
Description: **1 WATER HEATER**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 0112180025
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: MARAVILLA FOUNDATION

Date: **4/25/2000**
Permit Type: **ME**
Description: **1 WALL FURNACE**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0004250022
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: MARAVILLA FOUNDATION

660 CLELA AVE

Date: **9/20/2012**
Permit Type: **BL**
Description: **306SF (1) STORY ADDITION TO SFD OF MASTER BEDRM AND BATHRM**

Permit Description: **BUILDING PERMIT**
Work Class: RESIDENTIAL ADDITION
Proposed Use:
Permit Number: 1209120023
Status: FINALED
Valuation: $45,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**9/20/2012**
Permit Type:	**ME**
Description:	**MECHANICAL FOR 306SF (1) STORY ADDITION TO SFD OF MASTER BEDRM AND BATHRM.**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1209200001
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**9/20/2012**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR 306SF (1) STORY ADDITION TO SFD OF MASTER BEDRM AND BATHRM.**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1209200005
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**9/20/2012**
Permit Type:	**PL**
Description:	**PLUMBING FOR 306SF (1) STORY ADDITION TO SFD OF MASTER BEDRM AND BATHRM.**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1209200005
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**6/28/2012**
Permit Type:	**BL**
Description:	**DETACHED 18X18 2 CAR CARPORT**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADDITION
Proposed Use:	
Permit Number:	1206270036
Status:	FINALED
Valuation:	$9,000.00
Contractor Company:	
Contractor Name:	V CHAVEZ CONSTRUCTION

Date:	**6/28/2012**
Permit Type:	**EL**
Description:	**UPGRADE ELECTRICAL PANEL./200 AMPS**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1206280010
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	V CHAVEZ CONSTRUCTION

ADJOINING PROPERTY FINDINGS

Date:	**6/28/2012**
Permit Type:	**BL**
Description:	**STUCCO REPAIR TO HOUSE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1206280014
Status:	FINALED
Valuation:	$200.00
Contractor Company:	
Contractor Name:	V CHAVEZ CONSTRUCTION

Date:	**5/22/2012**
Permit Type:	**BL**
Description:	**DEMO GARAGE, PATIO AND ADDITION TO REAR OF GARAGE/REMOVE UNPERMITTED ADDITION TO REAR OF HOUSE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1205220012
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

661 CLELA AVE

Date:	**3/17/2014**
Permit Type:	**BL**
Description:	**TEAR-OFF/RE-ROOF 868SF SFD ONLY WITH MODIFIED TORCH DOWN. REPLACE ANY DAMAGE PLYWOOD SHEATHING; FLAT ROOF.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1403170108
Status:	FINALED
Valuation:	$1,950.00
Contractor Company:	
Contractor Name:	J C ROOFING

Date:	**3/17/2014**
Permit Type:	**BL**
Description:	**TEAR-OFF/RE-ROOF 400SF DETACH GARAGE ONLY WITH MODIFIED TORCH DOWN. REPLACE ANY DAMAGE PLYWOOD SHEATHING; FLAT ROOF.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1403170109
Status:	FINALED
Valuation:	$900.00
Contractor Company:	
Contractor Name:	J C ROOFING

ADJOINING PROPERTY FINDINGS

664 CLELA AVE

Date:	**11/27/2018**
Permit Type:	**PLMB**
Description:	**REPLACE WATER HEATER**
Permit Description:	**Plumbing Permit (Simple) - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-PLMB181127002708
Status:	Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**9/4/2009**
Permit Type:	**BL**
Description:	**LEGALIZE UNPERMITTED PATIO COVER ATTACHED TO GARAGE 270 SQFT**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0909040011
Status:	FINALED
Valuation:	$5,100.00
Contractor Company:	
Contractor Name:	

Date:	**8/20/2009**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED CARPORT**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0908200056
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **7/15/1999**
Permit Type: **BL**
Description: **MODIFY FLAT ROOF TO HIP FRAMING AND REROOF**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 9907150021
Status: FINALED
Valuation: $9,600.00
Contractor Company:
Contractor Name:

Date: **2/13/1998**
Permit Type: **PL**
Description: **CHANGE WATER HEATER**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 9802130013
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: MR. ROOTER OF SOUTH SAN GABRIEL

665 CLELA AVE

Date: **12/27/2005**
Permit Type: **EL**
Description: **RELOCATE 100 AMP SERVICE**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0512270024
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **11/2/2005**
Permit Type: **PL**
Description: **1 TUB/SHOWER/1 SINK/1 TOILET/WATER HEAT/LOW PRESS GAS LINE**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 0511020021
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **11/2/2005**
Permit Type: **EL**
Description: **17 OUTLETS/SWITCHES/6 FIXTURES**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0511020022
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **11/2/2005**
Permit Type: **BL**
Description: **ADDITION OF BEDROOM/BATH 391 S.F. AND ENCLOSE PORCH 52 S.F.**

Permit Description: **BUILDING PERMIT**
Work Class: RESIDENTIAL ADD/ALT
Proposed Use:
Permit Number: 0511020055
Status: FINALED
Valuation: $34,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

668 CLELA AVE

Date:	**3/14/2003**
Permit Type:	**PL**
Description:	**REPLACE EXISTING WATER HEATER**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0303140007
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**1/31/2003**
Permit Type:	**ME**
Description:	**1 WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0301310005
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	JUAN GARZA SALAZAR

Date:	**1/31/2003**
Permit Type:	**EL**
Description:	**13 OUTLETS, 4 LIGHT FIXTURES,**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0301310010
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	JUAN GARZA SALAZAR

ADJOINING PROPERTY FINDINGS

Date: **1/31/2003**
Permit Type: **PL**
Description: **1 TUB, 1 TOILET, 1 SINK FOR NEW ADDITION**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 0301310017
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: JUAN GARZA SALAZAR

Date: **1/31/2003**
Permit Type: **BL**
Description: **NEW MASTER BEDROOM AND BATH 255 SQ FT**

Permit Description: **BUILDING PERMIT**
Work Class: RESIDENTIAL ADDITION
Proposed Use:
Permit Number: 0301310020
Status: FINALED
Valuation: $19,000.00
Contractor Company:
Contractor Name: JUAN GARZA SALAZAR

669 CLELA AVE

Date: **2/24/2010**
Permit Type: **ME**
Description: **C/O WALL FURNACE**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 1002240016
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**7/2/2001**
Permit Type:	**BL**
Description:	**TEAR OFF AND RE ROOF COMPOSITION SHINGLE 1200 SQ FT**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0107020010
Status:	FINALED
Valuation:	$1,500.00
Contractor Company:	
Contractor Name:	

Date:	**2/18/1999**
Permit Type:	**ME**
Description:	**WALL HEATER**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9902180014
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

672 CLELA AVE

Date:	**10/27/2021**
Permit Type:	**BLDF**
Description:	**Restroom relocation on original duplex residence. When residence was purchased in 1999 it was a Duplex. In 2019 we applied for Adu permits and converted our garage into a one bed apartment converting the property into a Triplex and we need to pull permits for work done on duplex over the years to get final approval from building and safety for all three different residences.**
Permit Description:	**Multifamily Addition/Alteration Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDF211026000381
Status:	New - Online
Valuation:	$20,000.00
Contractor Company:	
Contractor Name:	

Date:	**5/6/2020**
Permit Type:	**ELEC**
Description:	**add a 200 amp hang meter**
Permit Description:	**Electrical Permit (Simple) - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-ELEC200506002314
Status:	On Hold
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**10/11/2019**
Permit Type:	**ELEC**
Description:	**ELECTRICAL FOR NEW 112 SQFT ADDITION TO EXISTING 324 SQFT DETACHED GARAGE TO CREATE 426 SQFT ACESSORY DWELLING UNIT CONSISTING OF 1-BEDROOM, 1-BATHROOM AND KITCHEN/LIVING ROOM.-120 AMP PANEL**
Permit Description:	**Electrical Permit (Simple) - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-ELEC191011005648
Status:	Issued
Valuation:	$45,000.00
Contractor Company:	
Contractor Name:	

Date:	**10/11/2019**
Permit Type:	**MECH**
Description:	**MECHANICAL FOR NEW 112 SQFT ADDITION TO EXISTING 324 SQFT DETACHED GARAGE TO CREATE 426 SQFT ACESSORY DWELLING UNIT CONSISTING OF 1-BEDROOM, 1-BATHROOM AND KITCHEN/LIVING ROOM.**
Permit Description:	**Mechanical Permit (Simple) - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-MECH191011003791
Status:	Issued
Valuation:	$45,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**10/11/2019**
Permit Type:	**PLMB**
Description:	**PLUMBIUNG FOR NEW 112 SQFT ADDITION TO EXISTING 324 SQFT DETACHED GARAGE TO CREATE 426 SQFT ACESSORY DWELLING UNIT CONSISTING OF 1-BEDROOM, 1-BATHROOM AND KITCHEN/LIVING ROOM. AND TANKLESS WATER HEATER**
Permit Description:	**Plumbing Permit (Simple) - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-PLMB191011004142
Status:	Issued
Valuation:	$45,000.00
Contractor Company:	
Contractor Name:	

Date:	**5/7/2019**
Permit Type:	**BLDR**
Description:	**NEW 112 SQFT ADDITION TO EXISTING 324 SQFT DETACHED GARAGE TO CREATE 426 SQFT ACESSORY DWELLING UNIT CONSISTING OF 1-BEDROOM, 1-BATHROOM AND KITCHEN/LIVING ROOM.**
Permit Description:	**Residential Addition/Alteration Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR190418002885
Status:	In Review
Valuation:	$45,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**4/18/2019**
Permit Type:	**BLDR**
Description:	**CONVERT EXISTING 1-STORY 1368SF DUPLEX INTO SINGLE FAMILY RESIDENCE CONSITING OF; 3-BEDROOMS, 2-BATHROOMS , KITCHEN & DINING AREA AND LIVING ROOM**
Permit Description:	**Residential Addition/Alteration Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR190418002886
Status:	Canceled
Valuation:	$35,000.00
Contractor Company:	
Contractor Name:	

Date:	**4/21/2015**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED ADDITION TO DETACHED GARAGE. RETURN GARAGE BACK TO ORIGINAL APPROVAL CONDITION/USE. REMOVE UNPERMITTED ELECTRICAL, PLUMBING AND CAP SEWER.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1504210012
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**8/18/2009**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTEC CARPORT**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0908180028
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

E 6TH ST

4959 E 6TH ST

Date:	**9/26/2016**
Permit Type:	**BL**
Description:	**RETURN GARAGE BACK TO ORIGINAL APPROVAL CONDITION/USE. REMOVE UNPERMITTED ELECTRICAL, PLUMBING AND CAP SEWER.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1609260030
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

5042 E 6TH ST

Date:	**5/31/2006**
Permit Type:	**ME**
Description:	**C/O WALL FURNACE**
Permit Description:	**MECHANICAL**
Work Class:	
Proposed Use:	
Permit Number:	0605310014
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

5106 E 6TH ST

Date:	**10/9/2007**
Permit Type:	**BL**
Description:	**REPLACE AND RE-ROOF WITH 30 YEARS SHINGLE (2 UNITS)**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0710090080
Status:	PERMISUD
Valuation:	$6,500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**11/22/2002**
Permit Type:	**BL**
Description:	**TEAR OFF AND RE ROOF W/HOT MOP**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0211220052
Status:	FINALED
Valuation:	$900.00
Contractor Company:	
Contractor Name:	STANDARD ROOFING CO.

5129 E 6TH ST

Date:	**2/3/2011**
Permit Type:	**PL**
Description:	**CHANGE LEAKING WATER HOSE BIB**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1102030022
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**2/3/2011**
Permit Type:	**BL**
Description:	**REPLACE OLD SHINGLES & ROLL SHINGLES FOR NEW 30 YR ROOF MATERIAL. (1) GARAGE SHINGLE CALIFORNIA STYLE & (5) FLAT ROOF ROLLS. ALL GARAGES (200SQFT EACH) TOTAL 6 GARAGES ONLY**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1102030054
Status:	PERMISUD
Valuation:	$3,000.00
Contractor Company:	
Contractor Name:	

Date:	**1/12/1995**
Permit Type:	**EL**
Description:	**INSTALL METER FOR WASHROOM**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9501120009
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	DOMITILA DE LA TORRE

ADJOINING PROPERTY FINDINGS

5134 E 6TH ST

Date:	**2/26/2016**
Permit Type:	**ME**
Description:	**REPLACE 35K WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1602260014
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

5136 E 6TH ST

Date:	**2/14/2008**
Permit Type:	**ME**
Description:	**C/O WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0802140021
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

FRASER AVE

551 FRASER AVE

Date:	**8/28/2013**
Permit Type:	**BL**
Description:	**BOLTING OF FOUNDATION PER CITY OF LOS ANGELES STANDARD PLANS**
Permit Description:	**BUILDING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1308280070
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	ALPHA STRUCTURAL, INC.

559 FRASER AVE

Date:	**4/21/2005**
Permit Type:	**EL**
Description:	**100 AMP SERVICE UPGRADE**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0504210054
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	RAVILA ELECTRIC CO.

ADJOINING PROPERTY FINDINGS

Date: **4/20/2005**
Permit Type: **ME**
Description: **NEW HEATING AND AIR CONDITIONING SYS.W/ 9 INLETS/OUTLETS**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0504200014
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **4/20/2005**
Permit Type: **PL**
Description: **1 GAS LINE FOR FAU/A/C UNIT**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 0504200016
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **4/20/2005**
Permit Type: **EL**
Description: **1 FAU/1 A/C UNIT**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0504200029
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

565 FRASER AVE

Date:	**1/13/2006**
Permit Type:	**EL**
Description:	**UPGRADE 200 AMP PANEL**
Permit Description:	**ELECTRICAL**
Work Class:	
Proposed Use:	
Permit Number:	0601130036
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PICENO GUILLERMO

Date:	**10/5/2005**
Permit Type:	**ME**
Description:	**3 WALL FURNACES**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0510050016
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**10/5/2005**
Permit Type:	**PL**
Description:	**3 BATH/SHOWERS/2 HOSE BIBBS/3 TOILETS/1 WTR HEATER 1 GAS SYSTEM**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0510050027
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**10/5/2005**
Permit Type:	**EL**
Description:	**72 OUTLETS/SWITCHES/14 LGT FIX/UPGRADE AND RELOCATE ELECT. SERVICE PANEL TO 200 AMPS**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0510050040
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**9/27/2005**
Permit Type:	**BL**
Description:	**ADD: 1ST STORY 462 S.F./DINING ROOM-2ND FLR 1589 S.F./ 3 BEDRMS/2BATH/LAUNDRY/FAM RM/ENTERTAINMENT**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADD/ALT
Proposed Use:	
Permit Number:	0507110009
Status:	FINALED
Valuation:	$170,000.00
Contractor Company:	
Contractor Name:	

Date:	**9/27/2005**
Permit Type:	**BL**
Description:	**NEW RESIDENTIAL GARAGE 441 S.F.**
Permit Description:	**BUILDING PERMIT**
Work Class:	NEW RESIDENTIAL
Proposed Use:	
Permit Number:	0507110012
Status:	FINALED
Valuation:	$13,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

569 FRASER AVE

Date:	**12/16/2019**
Permit Type:	**MECH**
Description:	**CHANGE OUT WALL HEATER**
Permit Description:	**Mechanical Permit (Simple) - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-MECH191216004612
Status:	Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**10/24/2017**
Permit Type:	**SE**
Description:	**REPLACE MAIN SEWER CONNECTION**
Permit Description:	**SEWER PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1710240003
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PROFESSIONAL PLUMBING CORPORATION

ADJOINING PROPERTY FINDINGS

Date:	**10/24/2017**
Permit Type:	**PL**
Description:	**REPLACE DRAIN SYSTEM INSIDE HOUSE, MAIN WATER SERVICE,COPPER REPIPE, RELOCATE WATER HEATER**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1710240008
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PROFESSIONAL PLUMBING CORPORATION

Date:	**9/25/2017**
Permit Type:	**EL**
Description:	**UPGRADE 200 AMP SERVICE PANEL, AND RE-WIRE 20 OUTLETS, 15 SWITCHES, AND 13 LIGHTS.**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1709250040
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	BLUEMAN ELECTRIC

Date:	**9/12/2017**
Permit Type:	**BL**
Description:	**VOLUNTARY FOUNDATION BOLTING RETROFIT PER L.A. CITY STANDARD PLAN.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1709120009
Status:	FINALED
Valuation:	$3,500.00
Contractor Company:	
Contractor Name:	RA D CONCRETE

ADJOINING PROPERTY FINDINGS

Date:	**8/11/2017**
Permit Type:	**BL**
Description:	**TEAR OFF & RE-ROOF 12 SQUARES OF COMP SHINGLES CRRC08900009**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1708110012
Status:	FINALED
Valuation:	$3,600.00
Contractor Company:	
Contractor Name:	ECONOMY ROOFING AND REPAIR

Date:	**10/1/2003**
Permit Type:	**ME**
Description:	**REPLACE WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0310010012
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

Date:	**9/11/2003**
Permit Type:	**PL**
Description:	**REPLACE WATER HEATER**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0309110016
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

Date:	**9/8/1994**
Permit Type:	**ME**
Description:	**HEATER**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9409080006
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	INTER-CITY ENERGY SYSTEMS, INC.

573 FRASER AVE

Date:	**2/6/2009**
Permit Type:	**PL**
Description:	**C/O WATER HEATER**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0902060004
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**12/7/2006**
Permit Type:	**BL**
Description:	**854 SQ FT ADDITION 2 BDRM/2 BATH/LAUNDRY RM/ENLARGE KITCHEN AND LIVING RM AND REROOF EXISTING 672 SQ FT**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADDITION
Proposed Use:	
Permit Number:	0610110080
Status:	FINALED
Valuation:	$71,000.00
Contractor Company:	
Contractor Name:	

Date:	**12/7/2006**
Permit Type:	**BL**
Description:	**DETACHED 400 SQ FT 2-CAR GARAGE**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADDITION
Proposed Use:	
Permit Number:	0610110092
Status:	FINALED
Valuation:	$12,000.00
Contractor Company:	
Contractor Name:	

Date:	**12/7/2006**
Permit Type:	**PL**
Description:	**2 BATHTUB/2 LAVATORY SINKS/2 WATER CLOSET/1 WATER HEATER**
Permit Description:	**PLUMBING**
Work Class:	
Proposed Use:	
Permit Number:	0612060014
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**12/7/2006**
Permit Type:	**EL**
Description:	**854 SQ FT ADDITION 2 BDRM/2 BATH/LAUNDRY RM/ENLARGE KITCHEN AND LIVING RM**
Permit Description:	**ELECTRICAL**
Work Class:	
Proposed Use:	
Permit Number:	0612060021
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

601 FRASER AVE

Date:	**12/23/2020**
Permit Type:	**BLDR**
Description:	**tear off existing shingles, install new radiant sheathing, and new composition shingles, CertainTeed, Charcoal Black, CRRC Product ID 0668-0132, 23 total squares**
Permit Description:	**Residential Repair/Replacement Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR201223009861
Status:	On Hold
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**11/18/2020**
Permit Type:	**BLDR**
Description:	**1) GENERAL HOME REMODEL** **2)KITCHEN AND BATH REMODEL** **3)RECONFIGURE FLOOR PLAN TO CREATE NEW SECOND BATH** **4)NEW WINDOWS, CHANGEOUT** **5)NEW INTERIOR DRYWALL** **6)NEW WALL INSULATION** **7) RELOCATE LAUNDRY CLOSET**
Permit Description:	**Residential Addition/Alteration Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR201117008826
Status:	New - Online
Valuation:	$35,000.00
Contractor Company:	
Contractor Name:	

Date:	**10/10/2007**
Permit Type:	**ME**
Description:	**C/O WALL FURNACE.**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0710100016
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

Date: **11/9/1999**
Permit Type: **ME**
Description: **SINGLE FLOOR HEATER CHANGE OUT**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9911090006
Status: PERMISUD
Valuation: $0.00
Contractor Company:
Contractor Name: INTER-CITY ENERGY SYSTEMS, INC.

608 FRASER AVE

Date: **7/25/2008**
Permit Type: **BL**
Description: **STORAGE ROOM ADDITION AT REAR OF GARAGE 108 SQFT**

Permit Description: **BUILDING PERMIT**
Work Class: RESIDENTIAL ADDITION
Proposed Use:
Permit Number: 0807250022
Status: PERMISUD
Valuation: $4,000.00
Contractor Company:
Contractor Name:

Date: **8/6/2007**
Permit Type: **PL**
Description: **R&R ALL PLUMBING FIXTURES.**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 0708060027
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**8/6/2007**
Permit Type:	**BL**
Description:	**REFRAME ENTIRE ROOF; C/O (10) WINDOWS/ REWIRE AND UPGRADE PANEL TO 100 AMP/REPLACE PLUMBING AND DRYWALL ENTIRE HOUSE.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0708060031
Status:	FINALED
Valuation:	$30,000.00
Contractor Company:	
Contractor Name:	

Date:	**8/6/2007**
Permit Type:	**EL**
Description:	**UPGRADE PANEL TO 100 AMP, RE-WIRE HOUSE, R&R LIGHT FIXTURES.**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0708060048
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**2/25/2005**
Permit Type:	**ME**
Description:	**CHANGE OUT WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0502250014
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

612 FRASER AVE

Date:	**8/26/2009**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED ALUMINUM CARPORT**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0908260003
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

Date:	**11/12/2008**
Permit Type:	**EL**
Description:	**UPGRADE ELECTRICAL PANEL TO 200 AMP SERVICE**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0811120016
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**10/17/2005**
Permit Type:	**ME**
Description:	**C/O WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0510170016
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

Date:	**10/4/2000**
Permit Type:	**BL**
Description:	**TEAR OFF, RE-ROOF W/ COMP SHINGLE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0010040052
Status:	FINALED
Valuation:	$3,850.00
Contractor Company:	
Contractor Name:	C AND P CONSTRUCTION

617 FRASER AVE

Date:	**2/22/2017**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED ADDITION AT SOUTH WEST OF SFD.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1702220079
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**7/27/2010**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED ATTACHED PATIO COVERS. GARAGE MUST BE ACCESSIBLE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1007270002
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

622 FRASER AVE

Date:	**6/10/2003**
Permit Type:	**ME**
Description:	**REPLACE WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0306100008
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

Date:	**5/29/2003**
Permit Type:	**PL**
Description:	**REPLACE WATER HEATER**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0305270047
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

623 FRASER AVE

Date:	**3/21/2016**
Permit Type:	**BL**
Description:	**RETURN GARAGE TO ORIGINAL APPROVED USE, REMOVE UNPERMITTED ADDITION AT WEST OF GARAGE, & BATHROOM ADDITION AT SOUTHWEST OF SFD. REPLACE 2 WINDOWS. REMOVE ALL UNPERMITTED...**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1603210032
Status:	PERMISUD
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

626 FRASER AVE

Date:	**8/11/2009**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED CARPORT**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0908110016
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

Date:	**7/5/2002**
Permit Type:	**ME**
Description:	**FURNACE C/O**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0207050008
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

627 FRASER AVE

Date:	**10/7/2009**
Permit Type:	**BL**
Description:	**RETURN GARAGE BACK TO ORIGINAL USE. ACCESSORY STRUCTURE TO BE REMOVED.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0910070076
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

Date:	**10/7/2009**
Permit Type:	**PL**
Description:	**PLUMBING REPIPE/REPLACE BATHTUB/(3) HOSE BIBBS/(2)LAVATORY SINKS/WATER CLOSET/LOW PRESSURE GAS SYSTEM**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0910070023
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **10/7/2009**
Permit Type: **EL**
Description: **ELECTRICAL REWIRE (27) OUTLETS-LIGHTING/(30) LIGHT FIXTURES**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0910070046
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **9/3/2009**
Permit Type: **ME**
Description: **NEW A/C UNIT FOR SFD**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0909030003
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **8/7/2009**
Permit Type: **BL**
Description: **C/O 12 WINDOWS AND RE-STUCCO**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 0908060011
Status: FINALED
Valuation: $500.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **6/18/2009**
Permit Type: **EL**
Description: **UPGRADE ELECTRICAL PANEL TO 200 AMP SERVICE**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0906180007
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

629 FRASER AVE

Date: **10/5/2009**
Permit Type: **PL**
Description: **1 HOSE BIB**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 0910050025
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **10/5/2009**
Permit Type: **EL**
Description: **1 OUTLET/LIGHTING/RECEPT/SWITCH**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0910050035
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **10/5/2009**
Permit Type: **BL**
Description: **RE-ROOF 1560SQFT W/30 YEAR COMP SHINGLES**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 0910050067
Status: FINALED
Valuation: $5,000.00
Contractor Company:
Contractor Name:

Date: **9/22/2009**
Permit Type: **BL**
Description: **REMOVE UNPERMITTED CARPORT**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 0909220013
Status: FINALED
Valuation: $500.00
Contractor Company:
Contractor Name:

Date: **1/25/2008**
Permit Type: **EL**
Description: **MOVE AND UPGRADE ELECTRICAL METER TO 200 AMP**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0801250022
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

630 FRASER AVE

Date:	**12/1/2009**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED ADDITION BEHIND GARAGE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0912010012
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

631 FRASER AVE

Date:	**10/5/2009**
Permit Type:	**BL**
Description:	**RE-ROOF 844 SQFT W/30 YEAR COMP SHINGLES**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0910050068
Status:	PERMISUD
Valuation:	$2,700.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

632 FRASER AVE

Date:	**4/14/2011**
Permit Type:	**EL**
Description:	**200AMP PANEL UPGRADE**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1104140031
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

638 FRASER AVE

Date:	**7/13/1995**
Permit Type:	**EL**
Description:	**DUAL WALL HEATER**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9507130011
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ELECTRIC EXPRESS

ADJOINING PROPERTY FINDINGS

642 FRASER AVE

Date:	**7/27/2020**
Permit Type:	**SOLR**
Description:	**5.175 kW 15 Panel roof mounted PV system.**
Permit Description:	**Roof Mount Residential Solar**
Work Class:	
Proposed Use:	
Permit Number:	UNC-SOLR200727001148
Status:	Approved Ready for Permit
Valuation:	$13,000.00
Contractor Company:	
Contractor Name:	

Date:	**6/20/2018**
Permit Type:	**BLDR**
Description:	**VOLUNTARY SEISMIC RETROFIT PER L.A. CITY STANDARD PLAN**
Permit Description:	**Residential Addition/Alteration Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR180620002275
Status:	Finaled
Valuation:	$4,850.00
Contractor Company:	
Contractor Name:	

Date:	**9/10/2010**
Permit Type:	**EL**
Description:	**1 A/C DISCONNECT**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1009100004
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **8/9/2010**
Permit Type: **ME**
Description: **CHANGE OUT HVAC.**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 1008090010
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

656 FRASER AVE

Date: **10/30/2018**
Permit Type: **BLDR**
Description: **SEISMIC RETROFIT PER LADBS STANDARD PLAN #1.**

Permit Description: **Residential Addition/Alteration Building Permit - County**
Work Class:
Proposed Use:
Permit Number: UNC-BLDR181030005283
Status: Issued
Valuation: $2,600.00
Contractor Company:
Contractor Name:

Date: **6/23/2006**
Permit Type: **EL**
Description: **100 AMP SERVICE**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0606230035
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: JUAN CARLOS GOMEZ CONSTRUCTION

ADJOINING PROPERTY FINDINGS

Date: **10/15/1996**
Permit Type: **EL**
Description: **CHANGE OUT EXISTING 100 AMP SERVICE WITH NEW 100 AMP**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9610150026
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

S ATLANTIC BLVD

545 S ATLANTIC BLVD

Date: **8/20/2018**
Permit Type: **BLDC**
Description: **REMOVE UNPERMITTED ROOF STRUCTURE**

Permit Description: **Commercial Repair/Replacement Building Permit - County**
Work Class:
Proposed Use:
Permit Number: UNC-BLDC180820000568
Status: Issued
Valuation: $1,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**6/28/2006**
Permit Type:	
Description:	**REMOVE AND REPLACE EXISTING 8'X25' WINDOW AND REPLACE WITH COMMERCIAL STOREFRONT FRAME AND GLASS**
Permit Description:	
Work Class:	COMMERCIAL ADD/ALT
Proposed Use:	
Permit Number:	0606280007
Status:	PERMISUD
Valuation:	$4,500.00
Contractor Company:	
Contractor Name:	

Date:	**6/10/2003**
Permit Type:	**BL**
Description:	**REFRAME STORE FRONT AND REPLACE EXT. STORE FRONT WINDOWS**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0306100025
Status:	FINALED
Valuation:	$26,000.00
Contractor Company:	
Contractor Name:	IMEX CONSTRUCTION AND DEVELOPMENT

Date:	**2/13/1996**
Permit Type:	**BL**
Description:	**NEW BURGER KING RESTAURANT**
Permit Description:	**BUILDING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9508280006
Status:	PERMISUD
Valuation:	$237,500.00
Contractor Company:	
Contractor Name:	L AND R CONSTRUCTION, INC.

ADJOINING PROPERTY FINDINGS

Date: **1/22/1996**
Permit Type: **BL**
Description: **TANK REMOVAL**

Permit Description: **BUILDING PERMIT**
Work Class: DEMOLITION
Proposed Use:
Permit Number: 9601220024
Status: FINALED
Valuation: $2,000.00
Contractor Company:
Contractor Name: WESTERN COLIMA CORPORATION

Date: **1/22/1996**
Permit Type: **SE**
Description: **REMOVAL OF CLARIFIER**

Permit Description: **SEWER PERMIT**
Work Class:
Proposed Use:
Permit Number: 9601220001
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: WESTERN COLIMA CORPORATION

Date: **1/10/1996**
Permit Type: **EL**
Description: **NEW RESTARUANT**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9601090009
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: L AND R CONSTRUCTION

ADJOINING PROPERTY FINDINGS

Date: **1/10/1996**
Permit Type: **GR**
Description: **GRADING**

Permit Description: **GRADING PERMIT**
Work Class:
Proposed Use:
Permit Number: 9601100001
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: L AND R CONSTRUCTION

Date: **1/9/1996**
Permit Type: **EL**
Description: **TEMPORARY POWER POLE**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9601090016
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: NATIONAL CONSTRUCTION RENTALS, INC.

Date: **12/20/1995**
Permit Type: **BL**
Description: **DEMO OFFICE SPACE AND OPEN GARAGE SPACES**

Permit Description: **BUILDING PERMIT**
Work Class: DEMOLITION
Proposed Use:
Permit Number: 9512200023
Status: PERMISUD
Valuation: $10,000.00
Contractor Company:
Contractor Name: L AND R CONSTRUCTION

ADJOINING PROPERTY FINDINGS

565 S ATLANTIC BLVD

Date:	**6/8/2005**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED CARPORT (19X60) REMOVE UNPERMITTED TRAILER**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0506080016
Status:	FINALED
Valuation:	$2,000.00
Contractor Company:	
Contractor Name:	

575 S ATLANTIC BLVD

Date:	**10/29/2007**
Permit Type:	**EL**
Description:	**TRENCH UNDERGROUND CONDUIT AND MOUNT LIGHT FIXTURES**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0710290034
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	HUGO PIRES BARRACOSA

ADJOINING PROPERTY FINDINGS

S VANCOUVER AVE

601 S VANCOUVER AVE

Date:	**2/11/2004**
Permit Type:	**ME**
Description:	**REPLACE WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0402110019
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

Date:	**10/16/2003**
Permit Type:	**SE**
Description:	**REPLACE 4" SEWER FROM HOUSE TO PROPERTY LINE**
Permit Description:	**SEWER PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0310160003
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	JACK STEPHAN PLUMBING AND HEATING

ADJOINING PROPERTY FINDINGS

610 S VANCOUVER AVE

Date:	**11/25/2003**
Permit Type:	**EL**
Description:	**100 AMP SERVICE UPGRADE**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0311250020
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**12/5/2002**
Permit Type:	**ME**
Description:	**1 WALL FUNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0212050024
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**12/5/2002**
Permit Type:	**PL**
Description:	**2 TUBS/1 CLOTHES WASHER/4 SINKS/2 TOILETS/1 WATER HEATER 1 LOW PRESSURE GAS SYSTEM**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0212050033
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**12/5/2002**
Permit Type:	**EL**
Description:	**54 OUTLETS/14 FIXTURES/1 GARBAGE DISPOSAL/1 WASHER/1 DRYER 1 WASHING MACHINE, 3 SMOKE DETECTORS**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0212050049
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**10/23/2002**
Permit Type:	**BL**
Description:	**NEW GARAGE 20'X21', 825' ADDITION; 3 BEDRMS/2 BATH, AND LAUNDRY ROOM**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADD/ALT
Proposed Use:	
Permit Number:	0210230010
Status:	FINALED
Valuation:	$62,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

611 S VANCOUVER AVE

Date:	**1/21/2016**
Permit Type:	**BL**
Description:	**PERMIT TO APPROVE UNPERMITTED 430SF ATTCHD PATIO THAT IS CONVERTED INTO 1-BEDRM, 1-BATHRM AND DEN TO (E) SFD. REMODEL EXISTING SFD.**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADD/ALT
Proposed Use:	
Permit Number:	1601120051
Status:	FINALED
Valuation:	$57,800.00
Contractor Company:	
Contractor Name:	

Date:	**1/21/2016**
Permit Type:	**ME**
Description:	**MECHANICAL FOR CONVERSION OF PATIO INTO 1-BEDRM, 1-BATHRM, DEN AND REMODEL SFD.**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1601210015
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**1/21/2016**
Permit Type:	**PL**
Description:	**PLUMBING FOR CONVERSION OF PATIO INTO 1-BEDRM, 1-BATHRM, DEN AND REMODEL SFD.**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1601210024
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**1/21/2016**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR CONVERSION OF PATIO INTO 1-BEDRM, 1-BATHRM, DEN AND REMODEL SFD.**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1601210029
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**2/19/1998**
Permit Type:	**ME**
Description:	**WALL HEATER**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9802190008
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	6ARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

616 S VANCOUVER AVE

Date:	**3/11/1998**
Permit Type:	**ME**
Description:	**WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9803110026
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	6ARAVILLA FOUNDATION

617 S VANCOUVER AVE

Date:	**10/16/1997**
Permit Type:	**EL**
Description:	**ELECTRICAL**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9710160028
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	E L PAYNE CO.

ADJOINING PROPERTY FINDINGS

Date: **10/16/1997**
Permit Type: **ME**
Description: **MECHANICAL**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9710160010
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: E L PAYNE CO.

620 S VANCOUVER AVE

Date: **7/22/2015**
Permit Type: **CB**
Description: **INSTALL NEW ROOF MOUNT SOLAR PV SYSTEM, 4.42KW, 17 PANELS.**

Permit Description: **BUILDING PERMIT**
Work Class:
Proposed Use:
Permit Number: 1506190007
Status: FINALED
Valuation: $9,770.00
Contractor Company:
Contractor Name: SOLARCITY

Date: **11/16/2009**
Permit Type: **EL**
Description: **ELECTRICAL FOR 400 SQ FT DETACHED GARAGE**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0911160036
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **9/25/2009**
Permit Type: **EL**
Description: **T.P.P.**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0909250001
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **9/16/2009**
Permit Type: **EL**
Description: **UPGRADE ELECTRICAL PANEL 200 AMP**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0909160021
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **8/25/2009**
Permit Type: **BL**
Description: **2ND STORY ADDITION TO (E) SFD; 671 SQFT, 3 BED & 1 BATH**

Permit Description: **BUILDING PERMIT**
Work Class: RESIDENTIAL ADDITION
Proposed Use:
Permit Number: 0901210029
Status: FINALED
Valuation: $90,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **8/25/2009**
Permit Type: **EL**
Description: **2ND STORY ADDITION TO (E) SFD; 671 SQFT, 3 BED & 1 BATH**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0908250014
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **8/25/2009**
Permit Type: **PL**
Description: **2ND STORY ADDITION TO (E) SFD; 671 SQFT, 3 BED & 1 BATH**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 0908250014
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **8/25/2009**
Permit Type: **BL**
Description: **400 SQFT DETACHED GARAGE**

Permit Description: **BUILDING PERMIT**
Work Class: RESIDENTIAL ADD/ALT
Proposed Use:
Permit Number: 0908250030
Status: FINALED
Valuation: $18,500.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**8/25/2009**
Permit Type:	**BL**
Description:	**DEMO 188 SQFT GARAGE AND 200 SQFT STORAGE BUILDING ATTACHED TO GARAGE**
Permit Description:	**BUILDING PERMIT**
Work Class:	DEMOLITION
Proposed Use:	
Permit Number:	0908250031
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

Date:	**6/9/2006**
Permit Type:	**EL**
Description:	**UPGRADE AMP TO 200 AMP**
Permit Description:	**ELECTRICAL**
Work Class:	
Proposed Use:	
Permit Number:	0606090001
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**5/4/2006**
Permit Type:	**BL**
Description:	**ADD ONE BEDROOM TO EXISTING SFR - 484 S.F.**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADDITION
Proposed Use:	
Permit Number:	0605040015
Status:	FINALED
Valuation:	$37,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**5/2/2003**
Permit Type:	**BL**
Description:	**RECONVERT 1 CAR GARAGE TO ORIGINAL USE, PERMIT 204 SQ.FT. STORAGE ADDITION TO GARAGE-NO PLUMBING-NOT LIVING QTS.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0305020022
Status:	FINALED
Valuation:	$5,000.00
Contractor Company:	
Contractor Name:	

624 S VANCOUVER AVE

Date:	**6/1/2017**
Permit Type:	**PL**
Description:	**PLUMBING FOR INTERIOR REMODEL AND COPPER RE-PIPE THROUGHOUT SFD.**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1706010024
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PROGRESSIVE ENVIORNMENTAL CONCEPTS

ADJOINING PROPERTY FINDINGS

Date:	**6/1/2017**
Permit Type:	**ME**
Description:	**MECHANICAL FOR INTERIOR REMODEL THROUGHOUT SFD.**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1706010031
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PROGRESSIVE ENVIORNMENTAL CONCEPTS

Date:	**6/1/2017**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR INTERIOR REMODEL AND RE-WIRE THROUGHOUT SFD.**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1706010048
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	PROGRESSIVE ENVIORNMENTAL CONCEPTS

Date:	**6/1/2017**
Permit Type:	**BL**
Description:	**INTERIOR REMODEL TO KITCHEN, BATHROOMS, AND THROUGHOUT SFD, REPLACE 14 WINDOWS, AND TEAR OFF/RE-ROOF 1308SF SFD WITH TORCH DOWN.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1706010072
Status:	PERMISUD
Valuation:	$25,000.00
Contractor Company:	
Contractor Name:	PROGRESSIVE ENVIORNMENTAL CONCEPTS

ADJOINING PROPERTY FINDINGS

Date:	**6/1/2017**
Permit Type:	**BL**
Description:	**TEAR OFF/RE-ROOF 400SF GARAGE WITH TORCH DOWN.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1706010074
Status:	PERMISUD
Valuation:	$1,300.00
Contractor Company:	
Contractor Name:	PROGRESSIVE ENVIORNMENTAL CONCEPTS

Date:	**4/12/2006**
Permit Type:	**BL**
Description:	**REPAIR WATER DAMAGE FLOOR PIERS/FLOOR JOIST/SUB FLOOR/GIRDER IN BATHROOM AND PARTIAL HALL**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0604120051
Status:	PERMISUD
Valuation:	$8,700.00
Contractor Company:	
Contractor Name:	PROPERTY CONSTRUCTION

Date:	**9/16/1997**
Permit Type:	**ME**
Description:	**REPLACE WALL HEATER**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9709160032
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	INTER-CITY ENERGY SYSTEMS, INC.

ADJOINING PROPERTY FINDINGS

628 S VANCOUVER AVE

Date:	**3/30/2011**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED UNIT AND ADDITION TO REAR OF GARAGE. RETURN GARAGE TO ORIGINAL USE, REMOVE ELECTRICAL AND PLUMBING.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1103300015
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

631 S VANCOUVER AVE

Date:	**8/18/2009**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED CARPORT & RETURN GARAGE TO ORIGINAL USE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0908180024
Status:	PERMISUD
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

634 S VANCOUVER AVE

Date:	**2/21/2017**
Permit Type:	**SE**
Description:	**ALTERATION/REPAIR OF HOUSE SEWER.**
Permit Description:	**SEWER PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1702210006
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	EFRAIN LUNA

Date:	**10/28/2010**
Permit Type:	**EL**
Description:	**2 SUB PANELS**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1010280046
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**4/27/2010**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED PATIO COVER & LAUNDRY ROOM PER PLOT PLAN**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1004270016
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **5/29/2007**
Permit Type: **BL**
Description: **REPLACE (13) WINDOWS SAME SIZE.**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 0705290040
Status: PERMISUD
Valuation: $5,400.00
Contractor Company:
Contractor Name: THD AT - HOME SERVICES

636 S VANCOUVER AVE

Date: **4/15/2013**
Permit Type: **PL**
Description: **REPAIR DRAINAGE PIPE OUTSIDE OF SFD.**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 1304150037
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: A R S AMERICAN RESIDENTIAL SERVICES

Date: **10/1/2010**
Permit Type: **EL**
Description: **UPGRAGE ELECTRICAL PANEL 200 AMP**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 1010010017
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **9/23/2010**
Permit Type: **BL**
Description: **333 SQFT 2ND STORY ADDITION TO REAR UNIT AND REFRAME 1ST FLOOR ROOF**

Permit Description: **BUILDING PERMIT**
Work Class: RESIDENTIAL ADDITION
Proposed Use:
Permit Number: 1008020016
Status: FINALED
Valuation: $56,000.00
Contractor Company:
Contractor Name:

Date: **9/23/2010**
Permit Type: **BL**
Description: **DETACHED CARPORT**

Permit Description: **BUILDING PERMIT**
Work Class: RESIDENTIAL ADDITION
Proposed Use:
Permit Number: 1008020017
Status: FINALED
Valuation: $4,000.00
Contractor Company:
Contractor Name:

Date: **9/23/2010**
Permit Type: **ME**
Description: **333 SQFT 2ND STORY ADDITION TO REAR UNIT AND REFRAME 1ST FLOOR ROOF**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 1009230010
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**9/23/2010**
Permit Type:	**PL**
Description:	**333 SQFT 2ND STORY ADDITION TO REAR UNIT AND REFRAME 1ST FLOOR ROOF**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1009230021
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**9/23/2010**
Permit Type:	**EL**
Description:	**333 SQFT 2ND STORY ADDITION TO REAR UNIT AND REFRAME 1ST FLOOR ROOF**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1009230034
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**4/27/2010**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED ADDITIONS TO REAR UNIT & PATIO COVER. RESTROOM TO BE REMOVED. (PER PLOT PLAN)**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1004270018
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **6/24/2009**
Permit Type: **ME**
Description: **WALL FURNACE C/O**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0906240012
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

638 S VANCOUVER AVE

Date: **5/24/2021**
Permit Type: **SOLR**
Description: **3.96 kW 11 Panel roof mounted PV System.**

Permit Description: **Roof Mount Residential Solar**
Work Class:
Proposed Use:
Permit Number: UNC-SOLR210521001430
Status: Issued
Valuation: $10,000.00
Contractor Company:
Contractor Name:

Date: **8/20/2009**
Permit Type: **BL**
Description: **REMOVE UNPERMITTED CARPORT**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 0908200004
Status: FINALED
Valuation: $500.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

639 S VANCOUVER AVE

Date:	**12/6/2001**
Permit Type:	**ME**
Description:	**VENTILATING FAN FOR 2ND BATHROOM**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0112060006
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**12/6/2001**
Permit Type:	**PL**
Description:	**PLUMBING FIXTURES FOR 2ND BATHROOM**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0112060009
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**12/6/2001**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR CREATING 2ND BATHROOM**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0112060013
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**12/6/2001**
Permit Type:	**BL**
Description:	**NEW DIVIDING WALL TO CREATE 2ND BATHROOM- LAV.,TOILET AND SHOWER (NO NEW SQUARE FOOTAGE)**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0112060027
Status:	FINALED
Valuation:	$3,500.00
Contractor Company:	
Contractor Name:	

Date:	**2/25/2000**
Permit Type:	**BL**
Description:	**TEAR OFF AND REROOF W/ HOT MOP**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0002250048
Status:	FINALED
Valuation:	$2,800.00
Contractor Company:	
Contractor Name:	COMMERCE ROOF CO.

ADJOINING PROPERTY FINDINGS

643 S VANCOUVER AVE

Date:	**8/27/2015**
Permit Type:	**PL**
Description:	**REPLACE WATER HEATER**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1508270024
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

Date:	**8/27/2015**
Permit Type:	**ME**
Description:	**REPLACE WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1508270032
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

Date:	**8/28/2001**
Permit Type:	**PL**
Description:	**ADDITION**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0108280002
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **8/28/2001**
Permit Type: **ME**
Description: **ADDITION**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0108280003
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **8/28/2001**
Permit Type: **EL**
Description: **ADDITION**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0108280005
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/23/2001**
Permit Type: **BL**
Description: **18 X 18 GARAGE**

Permit Description: **BUILDING PERMIT**
Work Class: NEW RESIDENTIAL
Proposed Use:
Permit Number: 0107230025
Status: FINALED
Valuation: $6,900.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **5/29/2001**
Permit Type: **EL**
Description: **100 AMP PANEL**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0105290014
Status: PERMISUD
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **5/29/2001**
Permit Type: **BL**
Description: **CHANGE ROOF FROM FLAT TO GABLE**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 0105290014
Status: FINALED
Valuation: $3,000.00
Contractor Company:
Contractor Name:

Date: **4/9/2001**
Permit Type: **BL**
Description: **ADDITION OF 446 SQ FT TO EXISTING SFD**

Permit Description: **BUILDING PERMIT**
Work Class: RESIDENTIAL ADD/ALT
Proposed Use:
Permit Number: 0104090018
Status: FINALED
Valuation: $29,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

646 S VANCOUVER AVE

Date:	**2/25/2011**
Permit Type:	**EL**
Description:	**2.262 KW ROOF MOUNTED PHOTOVOLTAIC SYSTEM**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1102250023
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**2/25/2011**
Permit Type:	**BL**
Description:	**2.262 KW ROOF MOUNTED PHOTOVOLTAIC SYSTEM**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1102250030
Status:	FINALED
Valuation:	$15,850.00
Contractor Company:	
Contractor Name:	

Date:	**2/9/2011**
Permit Type:	**PL**
Description:	**GAS LINE FOR TANKLESS WATER HEATER**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1102090016
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **1/10/2011**
Permit Type: **EL**
Description: **100AMP ELECTRICAL PANEL UPGRADE**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 1101100006
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **12/23/2010**
Permit Type: **PL**
Description: **1 TANKLESS WATER HEATER 1 EARTHQUAKE VALVE**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 1012230016
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **12/23/2010**
Permit Type: **EL**
Description: **1 OUTLET-LIGHTING,RECEPT, SWITCH FOR TANKLESS WATER HEATER**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 1012230024
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **11/16/2010**
Permit Type: **ME**
Description: **387 SQ.FT. ADDITION**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 1006300003
Status: PERMISUD
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **11/16/2010**
Permit Type: **PL**
Description: **387 SQ.FT. ADDITION**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 1006300020
Status: PERMISUD
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **11/16/2010**
Permit Type: **BL**
Description: **387 SQ.FT. ADDITION**

Permit Description: **BUILDING PERMIT**
Work Class: RESIDENTIAL ADDITION
Proposed Use:
Permit Number: 1006300023
Status: PERMISUD
Valuation: $10,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**11/16/2010**
Permit Type:	**BL**
Description:	**CONSTRUCTION OF 20'X 20' GARAGE**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADDITION
Proposed Use:	
Permit Number:	1006300026
Status:	PERMISUD
Valuation:	$4,500.00
Contractor Company:	
Contractor Name:	

Date:	**9/5/2000**
Permit Type:	**BL**
Description:	**CONSTRUCTION OF 20'X 20' GARAGE**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADD/ALT
Proposed Use:	
Permit Number:	0009050020
Status:	PERMISUD
Valuation:	$8,520.00
Contractor Company:	
Contractor Name:	

Date:	**8/29/2000**
Permit Type:	**BL**
Description:	**DEMOLISH EXISTING GARAGE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0008290065
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**6/17/1999**
Permit Type:	**BL**
Description:	**387 SQ.FT. ADDITION**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	9906170010
Status:	PERMISUD
Valuation:	$25,000.00
Contractor Company:	
Contractor Name:	

649 S VANCOUVER AVE

Date:	**8/16/2011**
Permit Type:	**BL**
Description:	**REMOVE ADDITION TO GARAGE AND CARPORT. RETURN GARAGE BACK TO ORIGINAL USE AND REMOVE ADDITIONAL KITCHEN FROM SFD.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1108160012
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**10/29/1996**
Permit Type:	**BL**
Description:	**CHANGE PITCH OF ROOF**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	9610290001
Status:	FINALED
Valuation:	$7,728.00
Contractor Company:	
Contractor Name:	

Date:	**12/22/1995**
Permit Type:	**BL**
Description:	**2 BEDROOM AND BATH 606 SQ. FT INCL. FRONT EXTENSION PLUS 2 CAR GARAGE**
Permit Description:	**BUILDING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9511080002
Status:	FINALED
Valuation:	$45,000.00
Contractor Company:	
Contractor Name:	JOSE GUZMAN

Date:	**12/22/1995**
Permit Type:	**EL**
Description:	**PLUMBING FOR NEW ADDITION**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9512220001
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	JOSE GUZMAN

ADJOINING PROPERTY FINDINGS

Date: **12/22/1995**
Permit Type: **ME**
Description: **WALL HEATER FOR NEW ADDITION**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9512220001
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: JOSE GUZMAN

Date: **12/22/1995**
Permit Type: **PL**
Description: **PLUMBING FOR NEW BATHROOM**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 9512220001
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: JOSE GUZMAN

652 S VANCOUVER AVE

Date: **12/12/2006**
Permit Type:
Description: **TEAR OFF ROOF 20 SQ FT ADN REROOF USING MODIFIED MATERIAL.**

Permit Description:
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 0612120006
Status: FINALED
Valuation: $5,000.00
Contractor Company:
Contractor Name: EDGE ROOFING

ADJOINING PROPERTY FINDINGS

Date:	**5/12/2006**
Permit Type:	**EL**
Description:	**200 AMP SERVICE**
Permit Description:	**ELECTRICAL**
Work Class:	
Proposed Use:	
Permit Number:	0605120035
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	DYNASTY ELECTRIC

Date:	**5/14/1998**
Permit Type:	**BL**
Description:	**STUCCO HOUSE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	9805140046
Status:	FINALED
Valuation:	$3,042.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

653 S VANCOUVER AVE

Date:	**10/1/2009**
Permit Type:	**EL**
Description:	**PERMIT TO FINALIZE PERMIT # 8298A FROM 1988 3 OUTLETS 2 LIGHT FIX 1 SWITCH**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0908270005
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**10/1/2009**
Permit Type:	**BL**
Description:	**PERMIT TO FINALIZE PERMIT # 7917A FROM 1988 REMOVE UNPERMITTED CARPORT**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADDITION
Proposed Use:	
Permit Number:	0908270007
Status:	PERMISUD
Valuation:	$8,500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

655 S VANCOUVER AVE

Date:	**4/21/2021**
Permit Type:	**BLDR**
Description:	**PROPOSED ACCESSORY DWELLING UNIT.** **1.- EXISTING GARAGE AND REAR PATIO TO BE DEMOLISHED** **2.- NEW ACCESSORY DWELLING UNIT (TWO STORY). W/** **--- LIVING ROOM.** **--- KITCHEN & DINING ROOM.** **--- 2 1/2 BATHROOMS.** **--- 3 BEDROOMS & CL**
Permit Description:	**Residential New Construction Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR210421003405
Status:	New - Online
Valuation:	$168,000.00
Contractor Company:	
Contractor Name:	

Date:	**8/27/2015**
Permit Type:	**EL**
Description:	**UPGRADE 200 AMP PANEL. NO INTERIOR WORK TO BE DONE.**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1508270028
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	ELECTRICAL NETWORK SERVICES

ADJOINING PROPERTY FINDINGS

Date:	**8/25/2009**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED CARPORT**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0908250016
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

656 S VANCOUVER AVE

Date:	**5/3/2006**
Permit Type:	
Description:	**REMOVE EXISTING FLAT ROOF (STRIP DOWN TO EXIST FRAMING) AND REPLACE WITH A PITCHED CONVENTIONAL ROOF.**
Permit Description:	
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0605030009
Status:	PERMISUD
Valuation:	$6,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

660 S VANCOUVER AVE

Date:	**8/19/2009**
Permit Type:	**BL**
Description:	**RETURN 2 CAR GARAGE TO ORIGINAL USE REMOVE ALL PLUMBING AND REPLACE GARAGE DOORS**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0908190036
Status:	PERMISUD
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

662 S VANCOUVER AVE

Date:	**9/7/1994**
Permit Type:	**BL**
Description:	**BUILDING A GARAGE**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADDITION
Proposed Use:	
Permit Number:	9409070028
Status:	PERMISUD
Valuation:	$10,000.00
Contractor Company:	
Contractor Name:	AAND N CONSTRUCTION

ADJOINING PROPERTY FINDINGS

Date: **9/7/1994**
Permit Type: **EL**
Description: **ELECTRICAL FIXTURES**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9409070031
Status: PERMISUD
Valuation: $0.00
Contractor Company:
Contractor Name: AAND N CONSTRUCTION

664 S VANCOUVER AVE

Date: **3/16/1998**
Permit Type: **BL**
Description: **REPLACE NINE WINDOWS AND STUCCO**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 9803160006
Status: FINALED
Valuation: $1,800.00
Contractor Company:
Contractor Name:

Date: **11/3/1994**
Permit Type: **BL**
Description: **NEW GARAGE**

Permit Description: **BUILDING PERMIT**
Work Class: NEW RESIDENTIAL
Proposed Use:
Permit Number: 9411030019
Status: FINALED
Valuation: $10,000.00
Contractor Company:
Contractor Name: AAND N CONSTRUCTION

ADJOINING PROPERTY FINDINGS

Date: **11/3/1994**
Permit Type: **EL**
Description: **ELECTRICAL FIXTURES**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9411030019
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: AAND N CONSTRUCTION

667 S VANCOUVER AVE

Date: **2/14/2019**
Permit Type: **ELEC**
Description: **UPGRADE MAIN PANEL TO 200 AMP (NO INTERIOR WORK TO BE DONE)**

Permit Description: **Electrical Permit (Simple) - County**
Work Class:
Proposed Use:
Permit Number: UNC-ELEC190214000786
Status: Finaled
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **8/18/2009**
Permit Type: **BL**
Description: **REMOVE UNPERMITTED CARPORT**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 0908180023
Status: FINALED
Valuation: $500.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **3/10/1998**
Permit Type: **ME**
Description: **TWO FURNACES**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9803100009
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

668 S VANCOUVER AVE

Date: **7/9/2013**
Permit Type: **ME**
Description: **MECHANICAL FOR NEW BATHROOM**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 1307090007
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/9/2013**
Permit Type: **PL**
Description: **PLUMBING FOR NEW BATHROOM**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 1307090008
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**7/9/2013**
Permit Type:	**BL**
Description:	**CONVERT 32 SQFT EXISTING CLOSET IN BEDROOM INTO HALF BATH**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1307090009
Status:	FINALED
Valuation:	$1,500.00
Contractor Company:	
Contractor Name:	

Date:	**7/9/2013**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR NEW BATH**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1307090011
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**4/25/2013**
Permit Type:	**ME**
Description:	**INSTALL NEW WALL HEATER**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1304250013
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	NORTHERN AIR

ADJOINING PROPERTY FINDINGS

Date: **4/25/2013**
Permit Type: **PL**
Description: **GAS LINE**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 1304250021
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: NORTHERN AIR

S WOODS AVE

518 S WOODS AVE

Date: **5/15/2019**
Permit Type: **PLMB**
Description: **REPLACE 40 GALLON WATER HEATER**

Permit Description: **Plumbing Permit (Simple) - County**
Work Class:
Proposed Use:
Permit Number: UNC-PLMB190515001774
Status: Finaled
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**9/6/2013**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED 10'X8' ROOM ADDITION AT EASTSIDE OF SFD, LAUNDRY CONNECTIONS AND BATHROOM. REMOVE UNPERMITTED ELECT, PLUMB AND CAP SEWER.**
Permit Description:	**BUILDING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1309060005
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

Date:	**5/24/2012**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED LAUNDRY ROOM/BATH. REMOVE PLUMBLING**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1205240011
Status:	PERMISUD
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

Date:	**7/13/2010**
Permit Type:	**ME**
Description:	**C/O WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1007130014
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

522 S WOODS AVE

Date:	**4/5/2016**
Permit Type:	**BL**
Description:	**RETURN GARAGE BACK TO ORIGINAL APPROVAL CONDITION/USE AND REMOVE UNPERMITTED ADDITION TO GARAGE AT REAR. REMOVE UNPERMITTED ELECTRICAL, PLUMBING AND CAP SEWER.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1604050015
Status:	FINALED
Valuation:	$1,000.00
Contractor Company:	
Contractor Name:	

Date:	**9/23/2015**
Permit Type:	**BL**
Description:	**TEAR OFF/RE-ROOF 1100SF DUPLEX WITH SHINGLES, ESR# 3150.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1509230085
Status:	PERMISUD
Valuation:	$3,500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**9/23/2015**
Permit Type:	**BL**
Description:	**TEAR OFF/RE-ROOF 760SF GARAGE WITH SHINGLES, ESR# 3150.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1509230088
Status:	PERMISUD
Valuation:	$2,400.00
Contractor Company:	
Contractor Name:	

526 S WOODS AVE

Date:	**8/11/2009**
Permit Type:	**BL**
Description:	**CONVERT GARAGE BACK TO ORIGINAL USE. REMOVE SMALL OVERHANG AT REAR OF GARAGE.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0908110033
Status:	PERMISUD
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**6/11/2008**
Permit Type:	**ME**
Description:	**C/O WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0806110019
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

Date:	**6/13/2005**
Permit Type:	**BL**
Description:	**TEAR OFF EXISTING ROOF, SHEATHING AS NEEDED, BUILT UP ROOFING-HOUSE ONLY**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0506130037
Status:	FINALED
Valuation:	$1,700.00
Contractor Company:	
Contractor Name:	AA ROOFING CONSTRUCTION, INC.

ADJOINING PROPERTY FINDINGS

530 S WOODS AVE

Date:	**8/11/2009**
Permit Type:	**BL**
Description:	**REMOVE UN-PERMITTED CARPORT, LOFT, PATIO COVER & OVERHANG ON SIDE OF HOUSE.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0908110011
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

542 S WOODS AVE

Date:	**11/10/2016**
Permit Type:	**BL**
Description:	**TEAR-OFF/RE-ROOF 400SF TO (E) DETACHED GARAGE ONLY W/ COMP "A" SHINGLES.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1611100077
Status:	PERMISUD
Valuation:	$1,300.00
Contractor Company:	
Contractor Name:	CONTRACTING SOLUTIONS, INC.

ADJOINING PROPERTY FINDINGS

Date: **11/10/2016**
Permit Type: **BL**
Description: **TEAR-OFF/RE-ROOF 2200SF TO (E) SFD ONLY W/ COMP "A" SHINGLES.**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 1611100074
Status: FINALED
Valuation: $7,150.00
Contractor Company:
Contractor Name: CONTRACTING SOLUTIONS, INC.

546 S WOODS AVE

Date: **7/27/2016**
Permit Type: **PL**
Description: **REPLACE 40 GALLON WATER HEATER**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 1607270027
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: INTER-CITY ENERGY SYSTEMS, INC.

ADJOINING PROPERTY FINDINGS

570 S WOODS AVE

Date:	**9/9/2021**
Permit Type:	**BLDR**
Description:	**Removing old Tile and underlayment on sloped roof arpox 800 sq ft Install New GAF HD Reflector series shingles on sloped roof,CRRC#0676-0153 Remove all old roofing on flat roof of house aprox 1000 sq ft Install Polly-fresco APP modified torch down roofing material on entire roof using all the manufacture procedures CRRC#0616-0011A**
Permit Description:	**Residential Repair/Replacement Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR210901007763
Status:	Issued
Valuation:	$9,000.00
Contractor Company:	
Contractor Name:	

Date:	**6/4/2002**
Permit Type:	**ME**
Description:	**1 WALL HEATER-1 DUAL HEATER**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0205310012
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

601 S WOODS AVE

Date:	**3/12/2020**
Permit Type:	**MECH**
Description:	**REPLACE SINGLE WALL HEATER**
Permit Description:	**Mechanical Permit (Simple) - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-MECH200312000955
Status:	Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**5/5/2011**
Permit Type:	**ME**
Description:	**C/O DIRECT VENT**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1105050020
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

602 S WOODS AVE

Date:	**4/12/2016**
Permit Type:	**PL**
Description:	**REPLACE 30 GALLON WATER HEATER**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1604120038
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

Date:	**2/14/2008**
Permit Type:	**ME**
Description:	**C/O WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0802140020
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

607 S WOODS AVE

Date:	**10/8/2021**
Permit Type:	**MECH**
Description:	**Single wall heater change out - same location 35K BTU**
Permit Description:	**Mechanical Permit (Simple) - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-MECH211006003855
Status:	Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**6/3/2009**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR PROPOSED SOLAR INSTALLATION**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0906030025
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**6/3/2009**
Permit Type:	**BL**
Description:	**PROPOSED SOLAR INSTALLATION**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADDITION
Proposed Use:	
Permit Number:	0906030044
Status:	FINALED
Valuation:	$7,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **5/22/2009**
Permit Type: **EL**
Description: **INSTALL (1) OUTLETS-LIGHTING, RECEPT, SWITCH**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0905220004
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **5/22/2009**
Permit Type: **BL**
Description: **4'X4' DRYWALL PATCH AROUND WATER HEATER**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 0905220008
Status: FINALED
Valuation: $500.00
Contractor Company:
Contractor Name:

Date: **5/22/2009**
Permit Type: **PL**
Description: **INSTALL EARTHQUAKE SHUT OFF VALVE/WATER HEATER/WATER PIPE REPLACEMENT/GAS SYSTEM REPLACEMENT**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 0905220008
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **3/5/2008**
Permit Type: **BL**
Description: **REPLACE (7) WINDOWS SAME SIZE AND SAME LOCATION.**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 0803050029
Status: FINALED
Valuation: $3,000.00
Contractor Company:
Contractor Name: THD AT-HOME SERVICES

610 S WOODS AVE

Date: **2/25/2011**
Permit Type: **EL**
Description: **1.679 KW ROOF MOUNTED PHOTOVOLTAIC SYSTEM**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 1102250024
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **2/25/2011**
Permit Type: **BL**
Description: **1.679 KW ROOF MOUNTED PHOTOVOLTAIC SYSTEM**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 1102250031
Status: FINALED
Valuation: $16,660.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **12/23/2010**
Permit Type: **PL**
Description: **1 TANKLESS WATER HEATER 1 EARTHQUAKE VALVE**

Permit Description: **PLUMBING PERMIT**
Work Class:
Proposed Use:
Permit Number: 1012230018
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **12/23/2010**
Permit Type: **EL**
Description: **ELECTRICAL FOR 1 TANKLESS WATER HEATER**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 1012230025
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **12/22/2008**
Permit Type: **EL**
Description: **UPGRADE MAIN ELECTRICAL PANEL TO 200 AMPS.**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0812220024
Status: PERMISUD
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

611 S WOODS AVE

Date:	**6/3/2009**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR PROPOSED SOLAR INSTALLATION FOR SFD**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0906030023
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**6/3/2009**
Permit Type:	**BL**
Description:	**PROPOSED SOLAR INSTALLATION FOR SFD**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADDITION
Proposed Use:	
Permit Number:	0906030041
Status:	FINALED
Valuation:	$7,000.00
Contractor Company:	
Contractor Name:	

Date:	**5/22/2009**
Permit Type:	**EL**
Description:	**INSTALL OUTLETS-LIGHTING, RECEPT, SWITCH**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0905220007
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**5/22/2009**
Permit Type:	**BL**
Description:	**4'X4' DRYWALL PATCH AROUND WATER HEATER**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0905220009
Status:	PERMISUD
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

Date:	**5/22/2009**
Permit Type:	**PL**
Description:	**INSTALL EARTHQUAKE SHUT OFF VALVE (GAS)/WATER HEATER/WATER PIPE REPLACEMENT AND GAS SYSTEM**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0905220010
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**1/8/2004**
Permit Type:	**ME**
Description:	**CHANGE OUT FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0401060008
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

Date:	**3/1/1995**
Permit Type:	**BL**
Description:	**CHANGE PITCH IN ROOF AND REPLACE 1 WINDOW, CHANGE 2 INTO 1**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	9503010026
Status:	FINALED
Valuation:	$2,000.00
Contractor Company:	
Contractor Name:	GILDARDO MACIAS

614 S WOODS AVE

Date:	**11/10/2009**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED PATIO COVER/RETURN GARAGE TO ORIGINAL SIZE 18X12/MOVE STORAGE SHED TO MEET SET BACK REQUIREMENTS**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0911100008
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**4/14/2005**
Permit Type:	**ME**
Description:	**1 COMPRESSOR/1 FURNACE AND 6 INLETS/OUTLETS**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0504140007
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	CALIFORNIA INSTALLERS

Date:	**4/14/2005**
Permit Type:	**PL**
Description:	**GAS LINE FOR FAU/A/C UNIT**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0504140007
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	CALIFORNIA INSTALLERS

Date:	**4/14/2005**
Permit Type:	**EL**
Description:	**FAU AND A/C CIRCUIT**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0504140012
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	CALIFORNIA INSTALLERS

ADJOINING PROPERTY FINDINGS

615 S WOODS AVE

Date:	**3/24/2009**
Permit Type:	**ME**
Description:	**WALL FURNACE C/O**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0903240020
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**12/1/2008**
Permit Type:	**EL**
Description:	**ELECTRICAL FOR ROOF MOUNTED PV SOLAR SYSTEM**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0812010023
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**12/1/2008**
Permit Type:	**BL**
Description:	**ROOF MOUNTED PV SOLAR SYSTEM**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0812010045
Status:	FINALED
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

618 S WOODS AVE

Date:	**12/8/2008**
Permit Type:	**EL**
Description:	**ROOF MOUNTED PV SOLAR SYSTEM**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0812080009
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**12/8/2008**
Permit Type:	**BL**
Description:	**ROOF MOUNTED PV SOLAR SYSTEM**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0812080020
Status:	FINALED
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

622 S WOODS AVE

Date:	**3/25/2021**
Permit Type:	**BLDR**
Description:	**Bathroom Remodel, No structural changes**
Permit Description:	**Residential Repair/Replacement Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR210325002546
Status:	In Review
Valuation:	$6,500.00
Contractor Company:	
Contractor Name:	

Date:	**5/6/2015**
Permit Type:	**ME**
Description:	**REPLACE DUAL WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1505060009
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	INTER-CITY ENERGY

Date:	**11/27/1996**
Permit Type:	**BL**
Description:	**INSTALL NEW ROOF FRAME AND ROOF OVER HOUSE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	9611270050
Status:	FINALED
Valuation:	$15,000.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

623 S WOODS AVE

Date:	**2/11/2008**
Permit Type:	**ME**
Description:	**C/O WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0802110020
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

626 S WOODS AVE

Date:	**5/28/2009**
Permit Type:	**EL**
Description:	**4 SUB PANELS (626, 626 1/2, 626 3/4, 628 WOODS)**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0905280017
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	3238335868 OCHOA ELECTRIC

ADJOINING PROPERTY FINDINGS

628 S WOODS AVE

Date:	**5/28/2009**
Permit Type:	**EL**
Description:	**(1) 200 AMP METER AND 2 SUB PANELS AND 1 HM (FOR LAUNDRY RM)**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0905280018
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	3238335868 OCHOA ELECTRIC

629 S WOODS AVE

Date:	**3/3/2000**
Permit Type:	**ME**
Description:	**WALL HEATER SINGLE HEATER**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0003030019
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	7IKE DIAMOND

ADJOINING PROPERTY FINDINGS

631 S WOODS AVE

Date:	**8/21/2020**
Permit Type:	**BLDR**
Description:	**FRONT PORCH REMODEL AND ENTIRE HOUSE NEW ROOF SYSTEM**
Permit Description:	**Residential Addition/Alteration Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR200821006070
Status:	New - Online
Valuation:	$22,000.00
Contractor Company:	
Contractor Name:	

Date:	**6/18/2020**
Permit Type:	**BLDC**
Description:	**New roof**
Permit Description:	**Commercial Repair/Replacement Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDC200617000554
Status:	On Hold
Valuation:	$25,000.00
Contractor Company:	
Contractor Name:	

Date:	**9/25/2009**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED CARPORT & STRUCTURE @ REAR OF PROPERTY**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0909250020
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

634 S WOODS AVE

Date:	**11/16/2020**
Permit Type:	**BLDR**
Description:	**STRIP & REROOF APPROX. 16 SQS OF FLAT ROOF & REROOF WITH A 4PLY HOT MOP COOL SYSTEM ON HOUSE ONLY. CRRC#0676-0021B.**
Permit Description:	**Residential Repair/Replacement Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR201116008748
Status:	Issued
Valuation:	$10,790.00
Contractor Company:	
Contractor Name:	

Date:	**10/21/2020**
Permit Type:	**BLDR**
Description:	**Strip One Story Home , flat roof approx. 1600 sq. ft. & Reroof with 4PLY Hot Mop "Cool Roof" system (28-11-11-Cool Roof cap)**
Permit Description:	**Residential Addition/Alteration Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR201021007995
Status:	New - Online
Valuation:	$10,790.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**6/20/2006**
Permit Type:	**PL**
Description:	**WATER HEATER C/O**
Permit Description:	**PLUMBING**
Work Class:	
Proposed Use:	
Permit Number:	0606200013
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	H. B. COVEY

Date:	**10/31/1995**
Permit Type:	**PL**
Description:	**INSTALL A WATER HEATER**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9510310004
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MR. ROOTER OF SOUTH SAN GABRIEL

ADJOINING PROPERTY FINDINGS

637 S WOODS AVE

Date:	**5/3/2021**
Permit Type:	**ELEC**
Description:	**electrical to CONVERT (E) GARAGE & STORAGE 680SF AND 2ND STORY ADDITION OF 500SF TO 2 STORY ADU OF 1180SF TOTAL.**
Permit Description:	**Electrical Permit (Simple) - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-ELEC210426003111
Status:	On Hold, Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**5/3/2021**
Permit Type:	**MECH**
Description:	**mechanical to CONVERT (E) GARAGE & STORAGE 680SF AND 2ND STORY ADDITION OF 500SF TO 2 STORY ADU OF 1180SF TOTAL.**
Permit Description:	**Mechanical Permit (Simple) - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-MECH210426001568
Status:	On Hold, Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**5/3/2021**
Permit Type:	**PLMB**
Description:	**plumbing to CONVERT (E) GARAGE & STORAGE 680SF AND 2ND STORY ADDITION OF 500SF TO 2 STORY ADU OF 1180SF TOTAL.**
Permit Description:	**Plumbing Permit (Simple) - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-PLMB210426001665
Status:	On Hold, Issued
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**4/15/2021**
Permit Type:	**ELEC**
Description:	**Convert existing garage to a two story ADU unit.**
Permit Description:	**Electrical Permit (New Single Family/Duplex) - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-ELEC210415002784
Status:	Canceled
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**12/31/2019**
Permit Type:	**BLDR**
Description:	**CONVERT (E) GARAGE & STORAGE 680SF AND 2ND STORY ADDITION OF 500SF TO 2 STORY ADU OF 1180SF TOTAL.**
Permit Description:	**Residential New Construction Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR191231009933
Status:	In Review
Valuation:	$145,300.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**6/15/2009**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED CARPORT (AS PER ATTACHED SITE PLAN)**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0906150012
Status:	FINALED
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

Date:	**6/7/2007**
Permit Type:	**BL**
Description:	**ADD 821 SQ FT (3 BDRMS/1 BATH/ENLARGE LIVING ROOM & OFFICE)**
Permit Description:	**BUILDING PERMIT**
Work Class:	RESIDENTIAL ADDITION
Proposed Use:	
Permit Number:	0705140029
Status:	FINALED
Valuation:	$89,000.00
Contractor Company:	
Contractor Name:	

Date:	**6/7/2007**
Permit Type:	**PL**
Description:	**1 TUB, 1 TOILET, 1 SINK FOR ADDITION**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0706070035
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **6/7/2007**
Permit Type: **EL**
Description: **37 OUTLETS, 8 LIGHT FIXTURES, 1 EXHAUST FAN FOR ADDITION**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0706070056
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **3/18/2004**
Permit Type: **ME**
Description: **REPLACE WALL FURNACE**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0403180009
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: MARAVILLA FOUNDATION

638 S WOODS AVE

Date: **3/11/1998**
Permit Type: **ME**
Description: **WALL FURNACE**

Permit Description: **MECHANICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9803110027
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name: 6ARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

Date:	**10/23/1995**
Permit Type:	**BL**
Description:	**REPLACE SUCCO AND REINFORCE WOOD - BASE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	9510230005
Status:	FINALED
Valuation:	$1,500.00
Contractor Company:	
Contractor Name:	GABRIEL ESQUEDA

643 S WOODS AVE

Date:	**12/11/1998**
Permit Type:	**PL**
Description:	**PLUMBING FIXTURES**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9812110018
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARB ROOTER SERVICE AND PLUMBING

ADJOINING PROPERTY FINDINGS

644 S WOODS AVE

Date:	**10/4/2016**
Permit Type:	**PL**
Description:	**REPLACE WATER HEATER**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1610040058
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	RELIABLE ENERGY MANAGEMENT, INC.

Date:	**2/26/2009**
Permit Type:	**BL**
Description:	**REMOVE UNPERMITTED CARPORT 13X33 & ADDITION TO GARAGE 14X15. RETURN GARAGE TO ORIGINAL USE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0902260056
Status:	PERMISUD
Valuation:	$500.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

647 S WOODS AVE

Date:	**8/28/2015**
Permit Type:	**ME**
Description:	**REPLACE WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	1508280021
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

Date:	**2/19/1999**
Permit Type:	**ME**
Description:	**WALL HEATER**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	9902190023
Status:	PERMISUD
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MARAVILLA FOUNDATION

ADJOINING PROPERTY FINDINGS

648 S WOODS AVE

Date:	**12/4/2018**
Permit Type:	**BLDR**
Description:	**TEAR OFF/RE-ROOF 814 SQFT OF ROOF AT SFD ONLY. REPLACE CLAY TILE, ROOF SHEATHING, AND INSTALL NEW UNDERLAYMENT FELT.**
Permit Description:	**Residential Repair/Replacement Building Permit - County**
Work Class:	
Proposed Use:	
Permit Number:	UNC-BLDR181204006037
Status:	Issued
Valuation:	$2,650.00
Contractor Company:	
Contractor Name:	

Date:	**11/2/2012**
Permit Type:	**BL**
Description:	**TEAR-OFF/RE-ROOF WITH BORAL 1-PIECE CLAY LITE CORONA DE ORO BLEND. 814SF SFD ONLY. REPLACE PLYWOOD WITH 3/4" CDX PLY- WOOD. ESR#1017, CLASS A. INSTALL #30 UNDRLYMNT FELT.**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	1211020018
Status:	PERMISUD
Valuation:	$2,650.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **8/11/2005**
Permit Type: **EL**
Description: **UPGRADE ELECTRICAL SERVICE PANEL TO 200 AMPS**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 0508110040
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **5/20/1999**
Permit Type: **EL**
Description: **ELECTRICAL PANEL 200 AMPS**

Permit Description: **ELECTRICAL PERMIT**
Work Class:
Proposed Use:
Permit Number: 9905200001
Status: PERMISUD
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **10/29/1998**
Permit Type: **BL**
Description: **REBUILT EXISINT GARAGE 480 SF/ADD 450SF PATIO/ADD 106SF TO HOUSE**

Permit Description: **BUILDING PERMIT**
Work Class: RESIDENTIAL ADDITION
Proposed Use:
Permit Number: 9810290024
Status: PERMISUD
Valuation: $23,000.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date: **8/12/1996**
Permit Type: **BL**
Description: **REBUILT EXISINT GARAGE 480 SQ. FT.**

Permit Description: **BUILDING PERMIT**
Work Class: RESIDENTIAL ADD/ALT
Proposed Use:
Permit Number: 9608120010
Status: PERMISUD
Valuation: $10,000.00
Contractor Company:
Contractor Name:

652 S WOODS AVE

Date: **5/22/2018**
Permit Type: **MECH**
Description: **INSTALL SINGLE WALL HEATER.**

Permit Description: **Mechanical Permit (Simple) - County**
Work Class:
Proposed Use:
Permit Number: UNC-MECH180522000664
Status: Issued
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **12/6/1999**
Permit Type: **BL**
Description: **TEAR OFF AND RE ROOF W/20 YR 3 TAB SHINGLE**

Permit Description: **BUILDING PERMIT**
Work Class: ALTERATION/REPAIR
Proposed Use:
Permit Number: 9912060008
Status: FINALED
Valuation: $3,400.00
Contractor Company:
Contractor Name: O K ROOFING

ADJOINING PROPERTY FINDINGS

656 S WOODS AVE

Date:	**10/8/2009**
Permit Type:	**ME**
Description:	**C/O WALL FURNACE**
Permit Description:	**MECHANICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0910080025
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**5/5/2009**
Permit Type:	**PL**
Description:	**REPLACE 4X4 DRYWALL/ 1 OUTLET/ 1 WATER HEATER**
Permit Description:	**PLUMBING PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0905050030
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**5/5/2009**
Permit Type:	**EL**
Description:	**REPLACE 4X4 DRYWALL/ 1 OUTLET/ 1 WATER HEATER**
Permit Description:	**ELECTRICAL PERMIT**
Work Class:	
Proposed Use:	
Permit Number:	0905050042
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date:	**5/5/2009**
Permit Type:	**BL**
Description:	**REPLACE 4X4 DRYWALL/ 1 OUTLET/ 1 WATER HEATER**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0905050061
Status:	FINALED
Valuation:	$200.00
Contractor Company:	
Contractor Name:	

Date:	**2/24/2000**
Permit Type:	**BL**
Description:	**DEMOLISH EXISTING STUCCO CHIMNEY AND CLOSE OPENING BLOCKING FIRE CHUTE**
Permit Description:	**BUILDING PERMIT**
Work Class:	ALTERATION/REPAIR
Proposed Use:	
Permit Number:	0002240029
Status:	FINALED
Valuation:	$1,750.00
Contractor Company:	
Contractor Name:	ALFRED JOHN RODRIGUEZ

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use (s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

Garfiield High School
5101 East 6th Street
Los Angeles, CA 90022

Inquiry Number: 6793054.4
December 17, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

12/17/21

Site Name:

Garfiield High School
5101 East 6th Street
Los Angeles, CA 90022
EDR Inquiry # 6793054.4

Client Name:

Millennium Environmental Consulting
4683 Chabot Drive Ste. 380
Pleasanton, CA 94588
Contact: Scott Nunes

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Millennium Environmental Consulting were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# 12060.2005
Project: Garfield High School

Coordinates:

Latitude:	34.027026 34° 1' 37" North
Longitude:	-118.158087 -118° 9' 29" West
UTM Zone:	Zone 11 North
UTM X Meters:	393084.31
UTM Y Meters:	3765757.26
Elevation:	218.12' above sea level

Maps Provided:

2018	1926
2015	1924
2012	1900
1994	1896
1981	1894
1972	
1966	
1953	

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets

Los Angeles
2018
7.5-minute, 24000

2015 Source Sheets

Los Angeles
2015
7.5-minute, 24000

2012 Source Sheets

Los Angeles
2012
7.5-minute, 24000

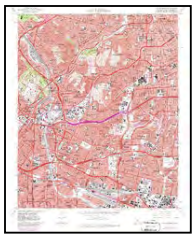
1994 Source Sheets

Los Angeles
1994
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1981 Source Sheets



Los Angeles
1981
7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets

Los Angeles
1972
7.5-minute, 24000
Aerial Photo Revised 1972

1966 Source Sheets

Los Angeles
1966
7.5-minute, 24000
Aerial Photo Revised 1964

1953 Source Sheets

Los Angeles
1953
7.5-minute, 24000
Aerial Photo Revised 1952

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1926 Source Sheets

Alhambra
1926
7.5-minute, 24000

1924 Source Sheets

Alhambra
1924
7.5-minute, 24000

1900 Source Sheets

Pasadena
1900
15-minute, 62500

Los Angeles
1900
15-minute, 62500

1896 Source Sheets

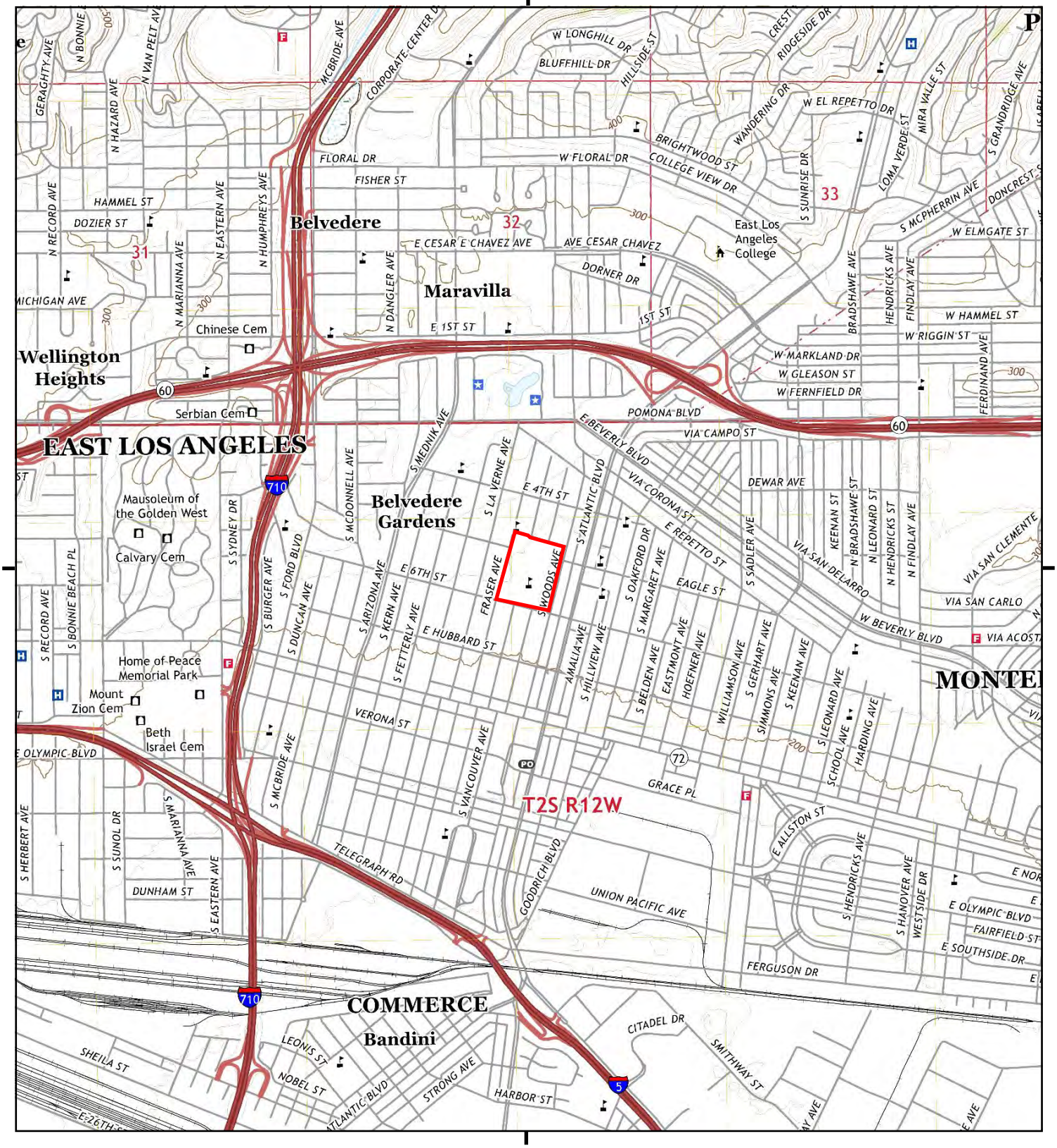
Pasadena
1896
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1894 Source Sheets

Los Angeles
1894
15-minute, 62500



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

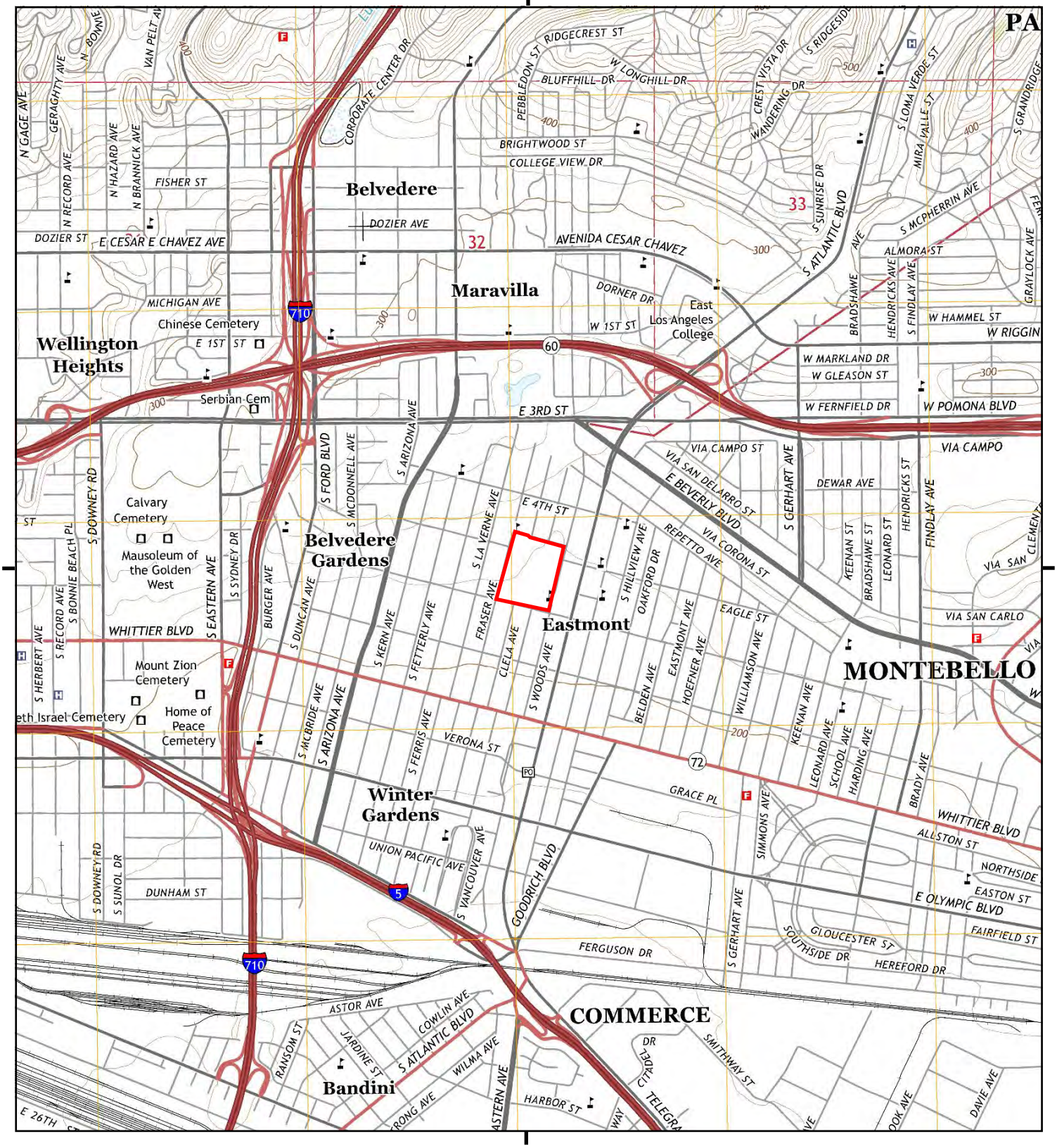
TP, Los Angeles, 2018, 7.5-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

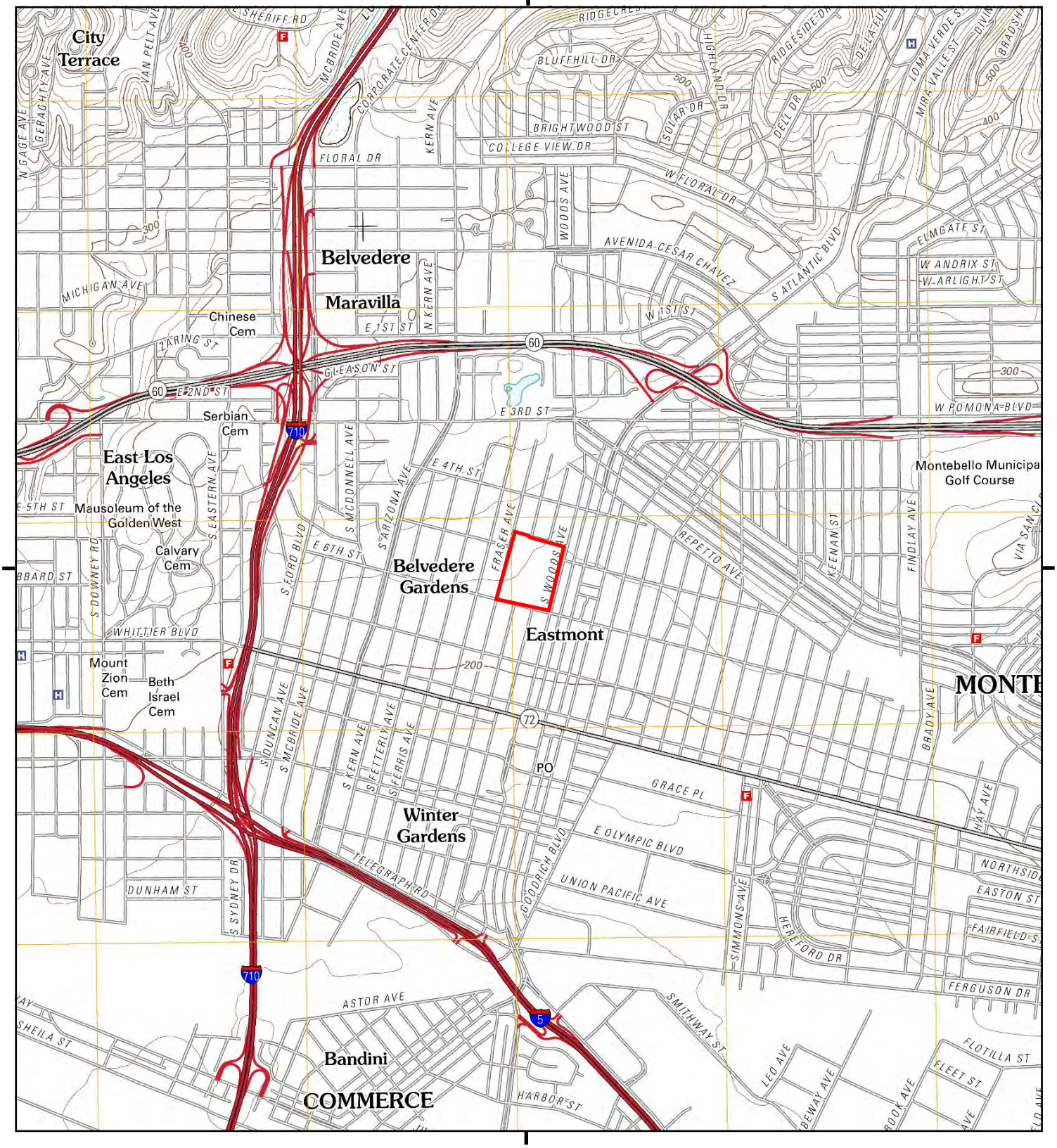
TP, Los Angeles, 2015, 7.5-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N

Historical Topo Map

2012



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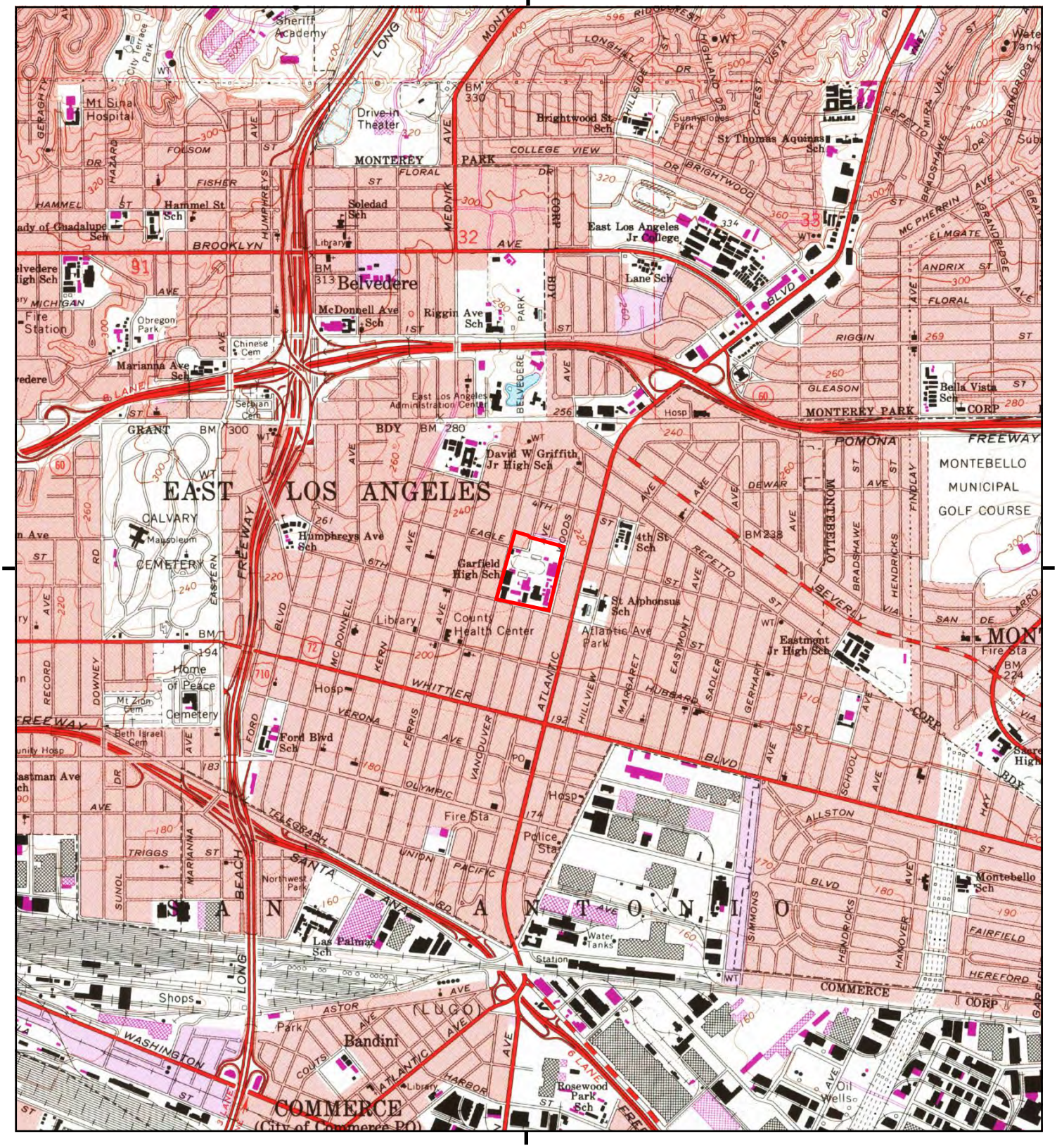
W E
SW S SE

TP, Los Angeles, 2012, 7.5-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N



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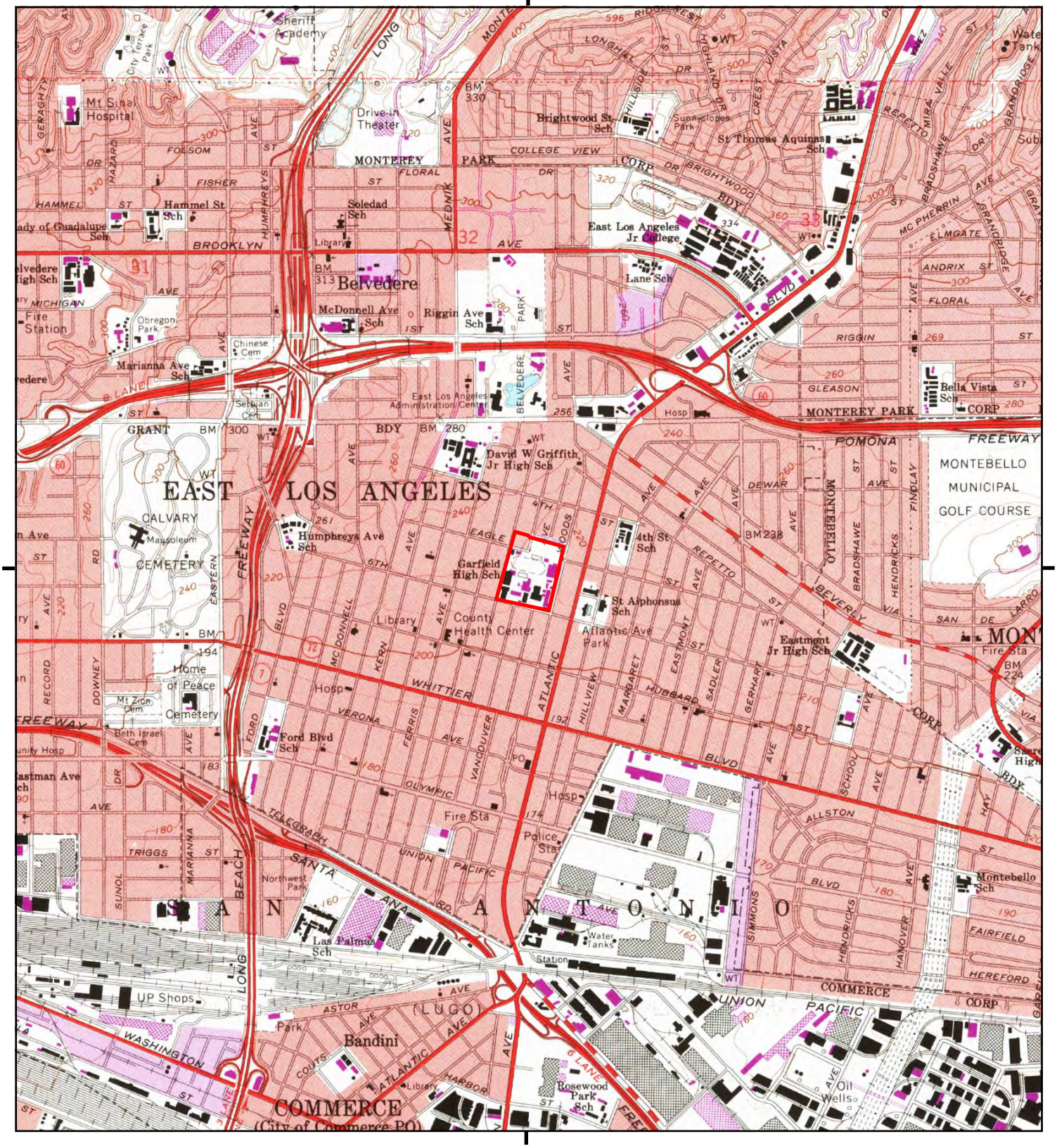
NW N NE
W E
SW S SE

TP, Los Angeles, 1994, 7.5-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N



This report includes information from the following map sheet(s).

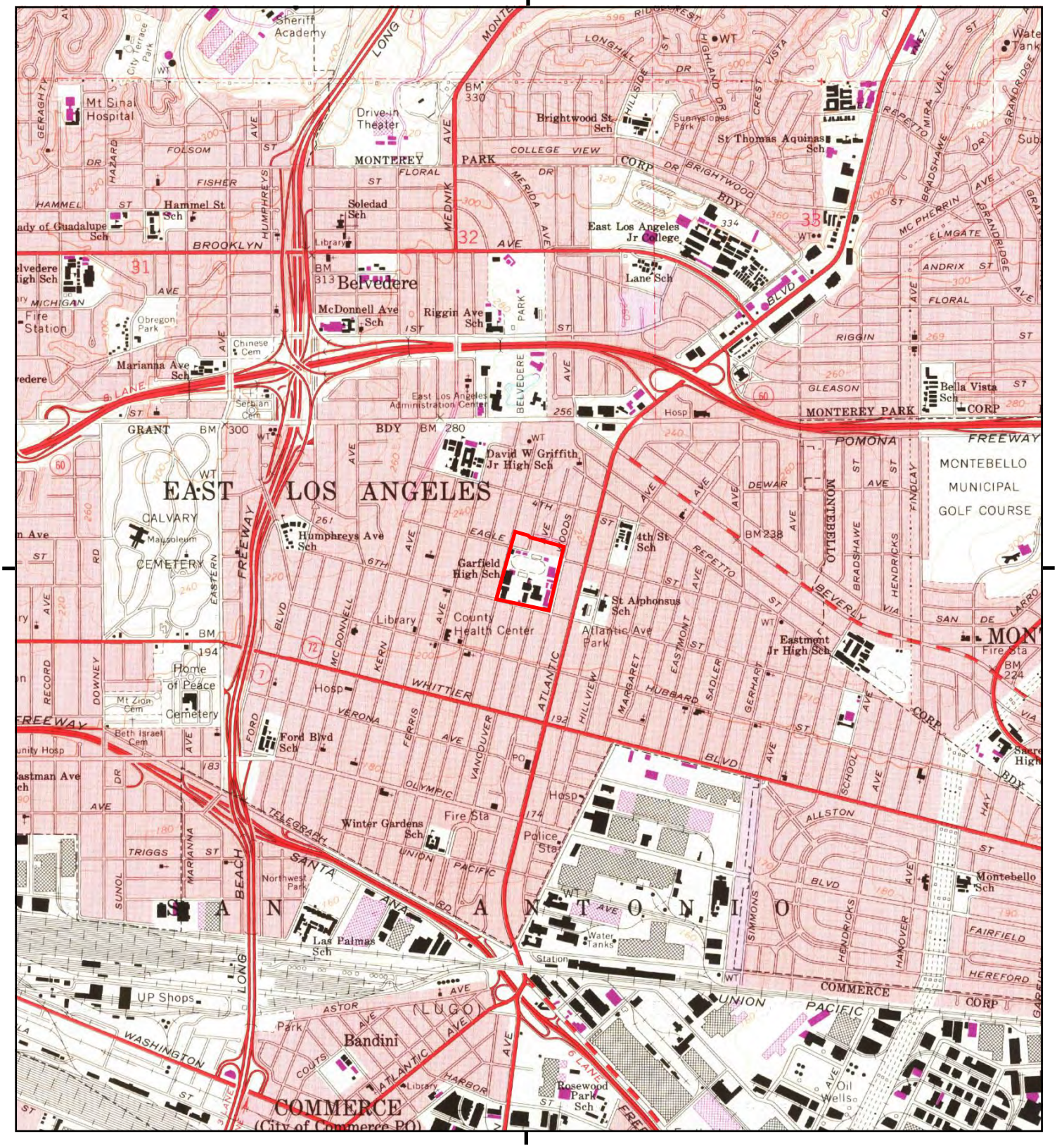
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Angeles, 1981, 7.5-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N



This report includes information from the following map sheet(s).

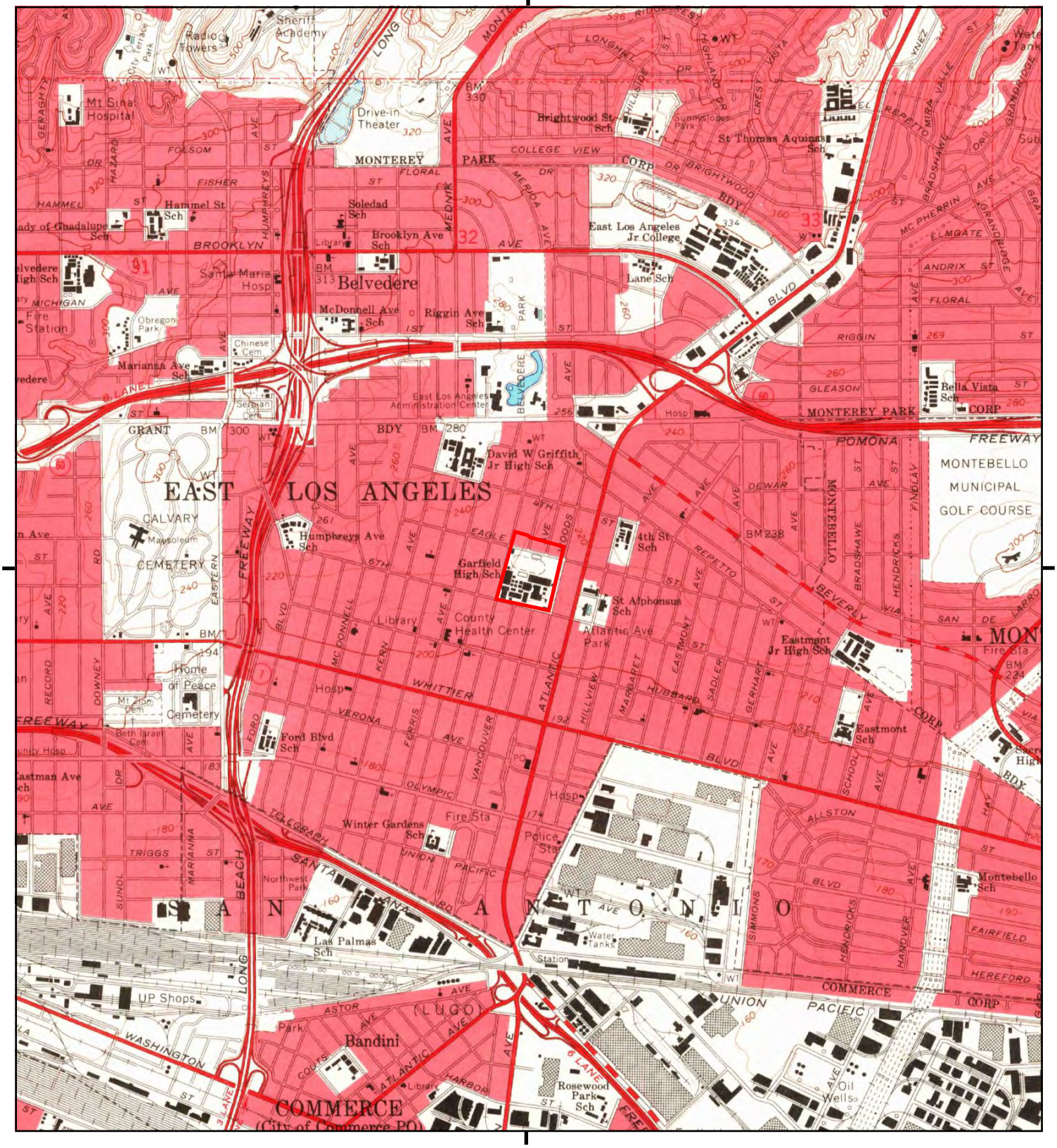
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Angeles, 1972, 7.5-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

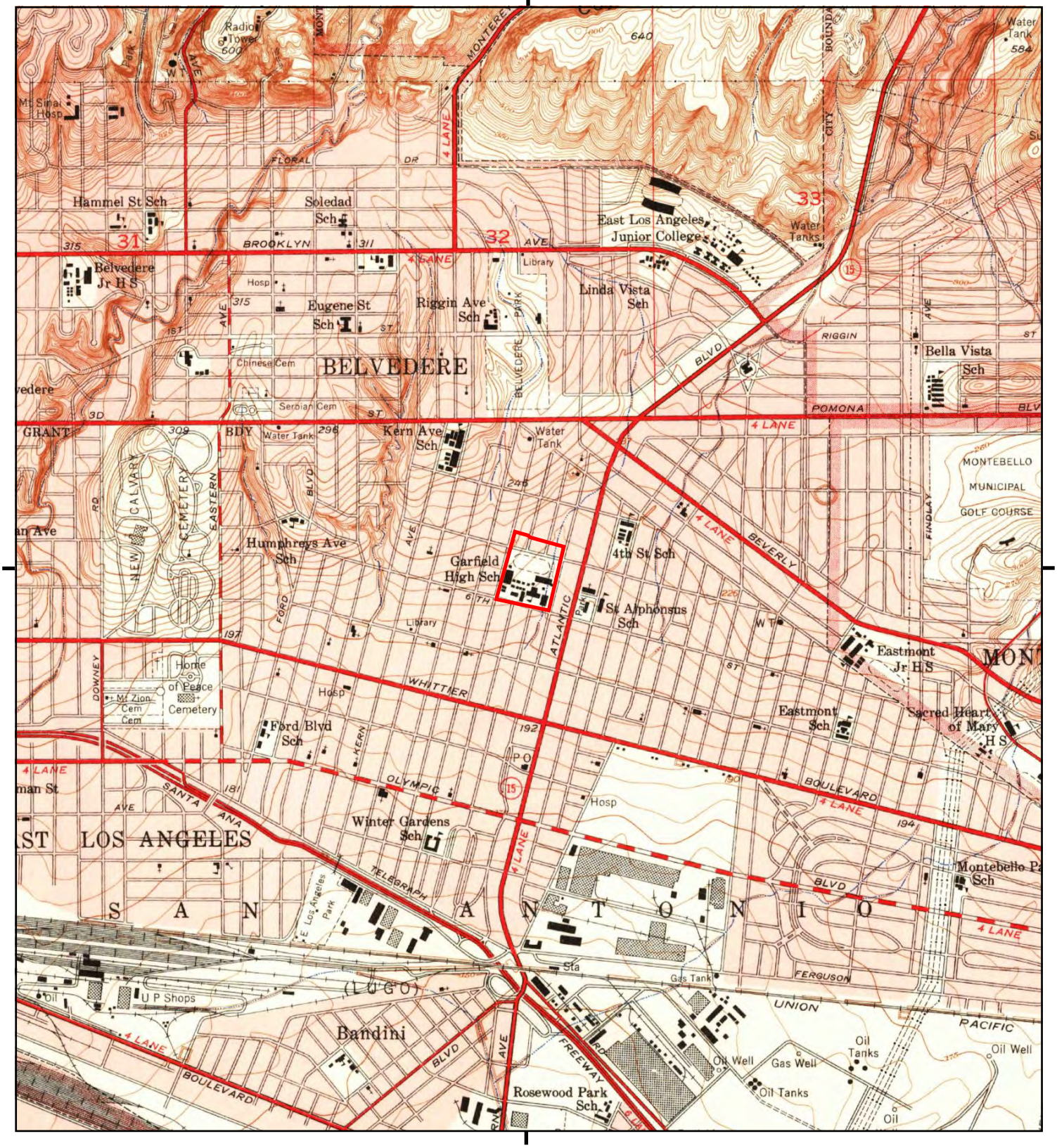
TP, Los Angeles, 1966, 7.5-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N

Historical Topo Map

1953



This report includes information from the following map sheet(s).

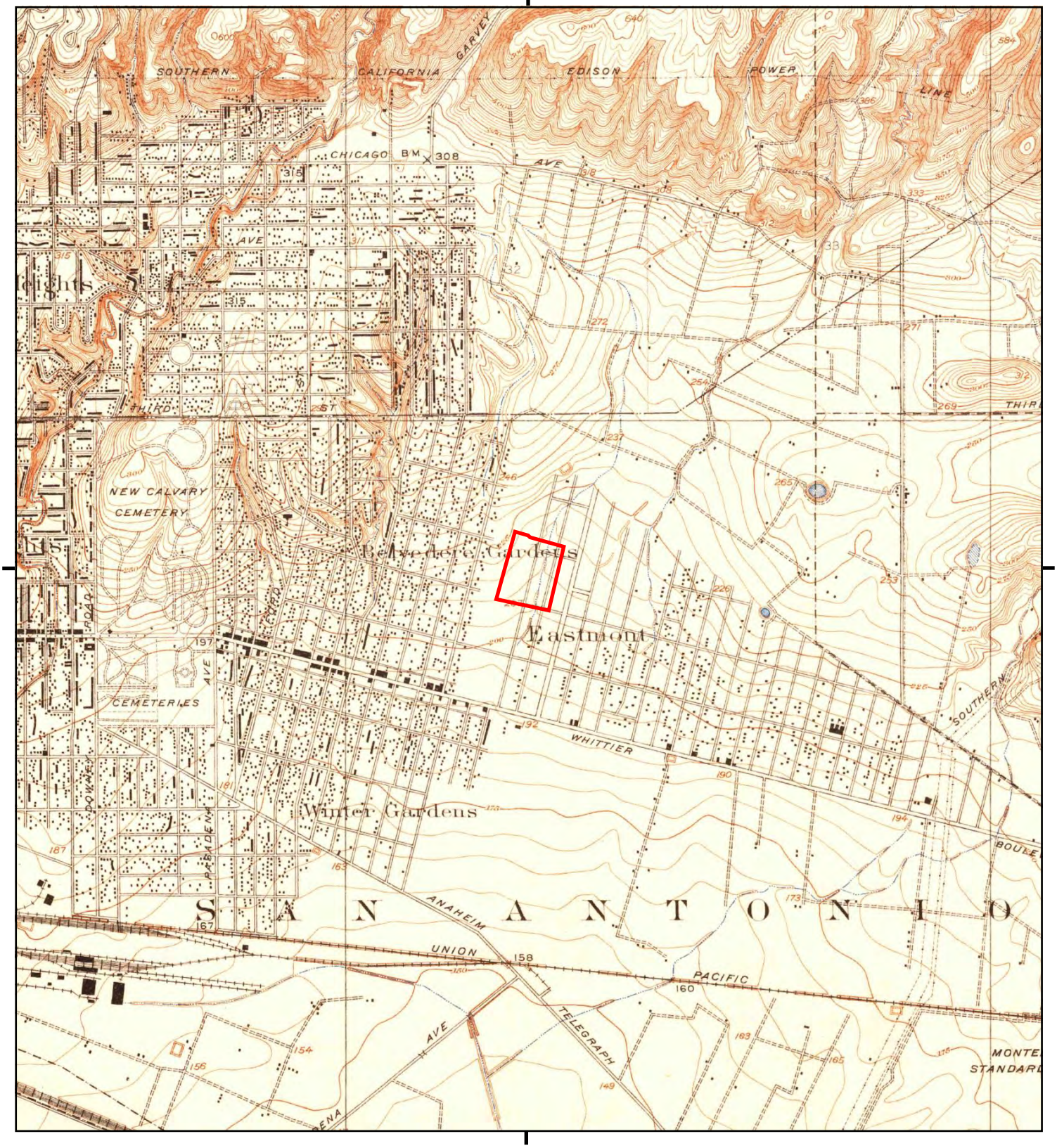
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Angeles, 1953, 7.5-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N



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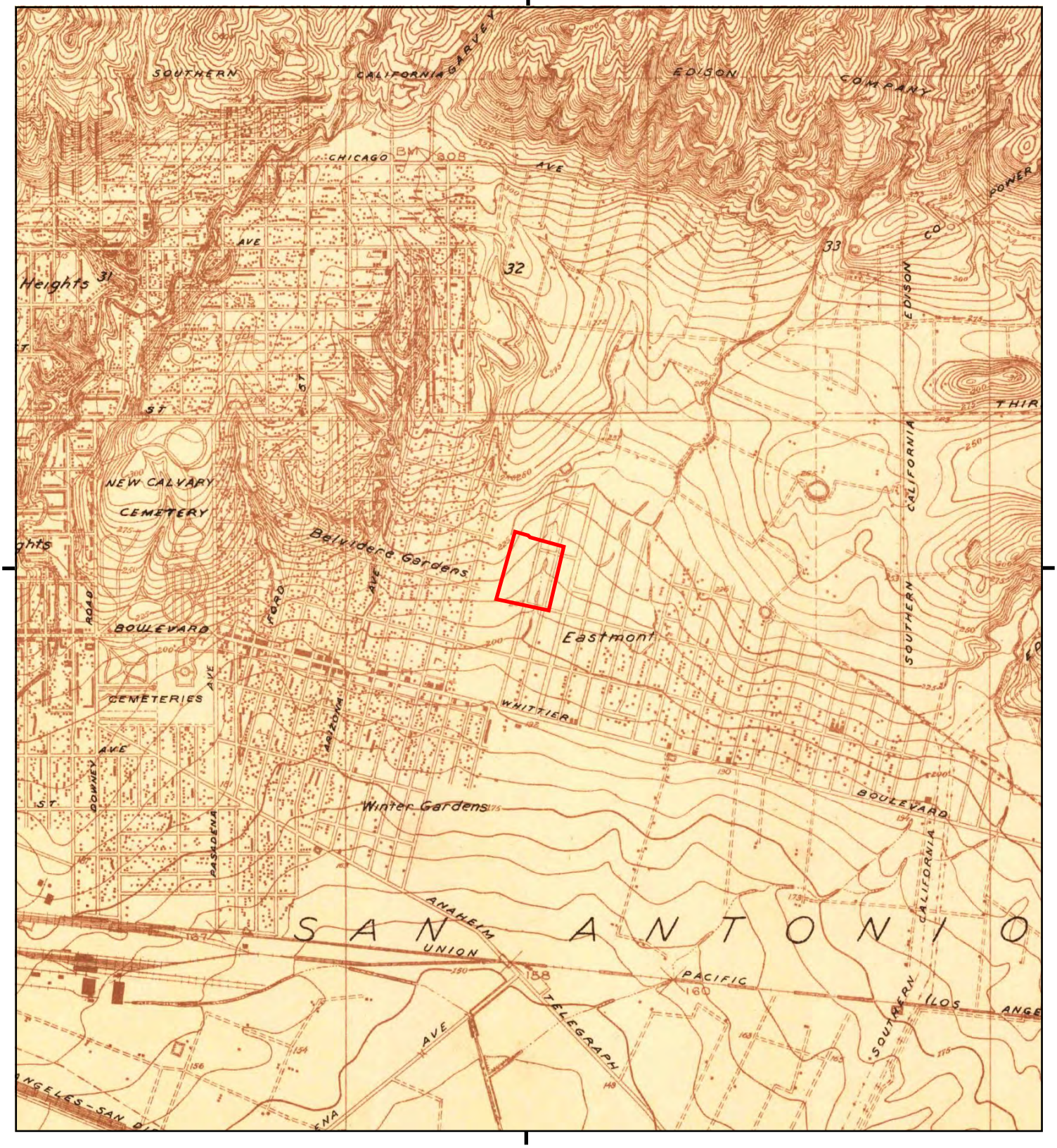
NW N NE
W E
SW S SE

TP, Alhambra, 1926, 7.5-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N



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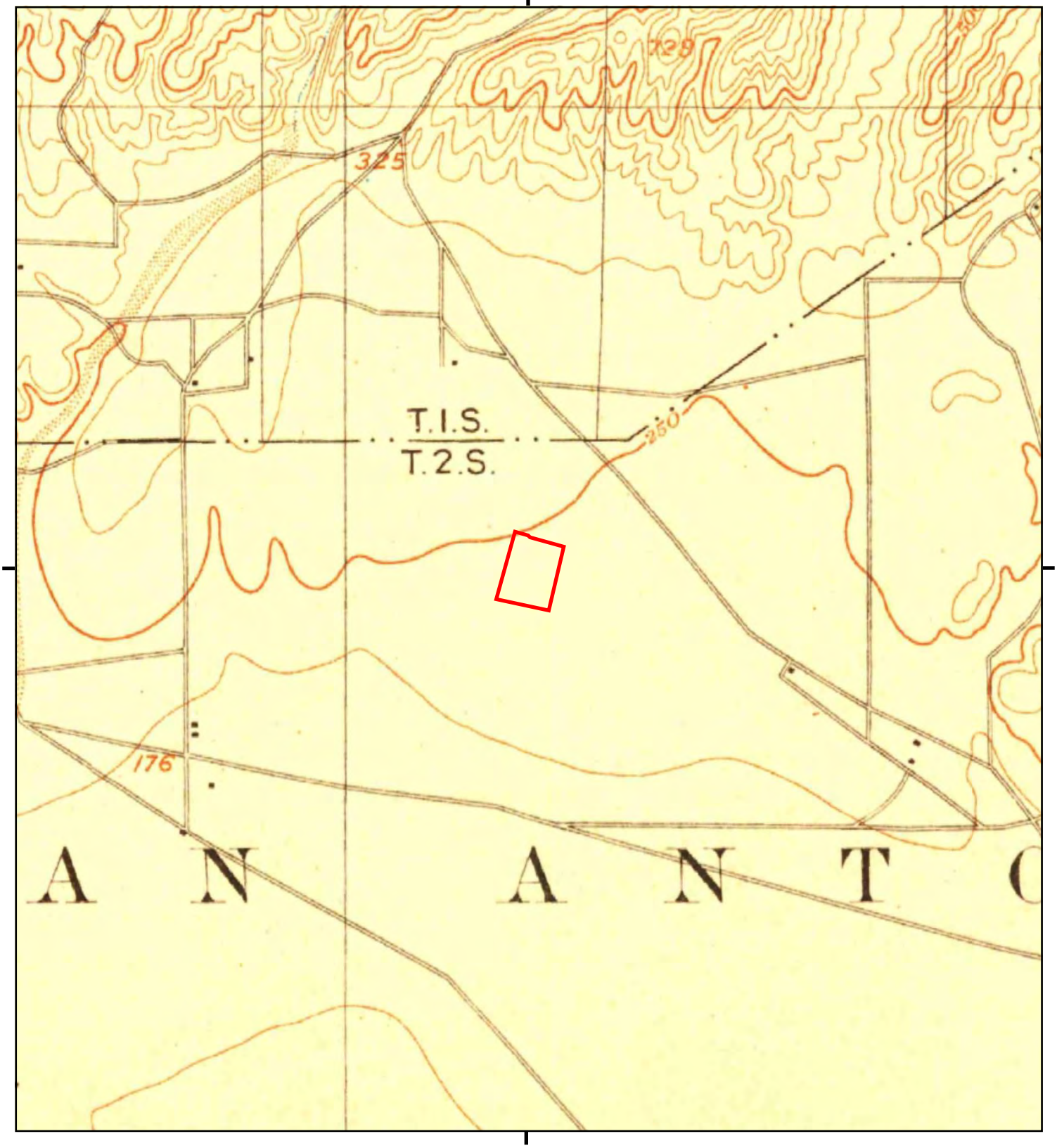
NW N NE
W E
SW S SE

TP, Alhambra, 1924, 7.5-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N



This report includes information from the following map sheet(s).

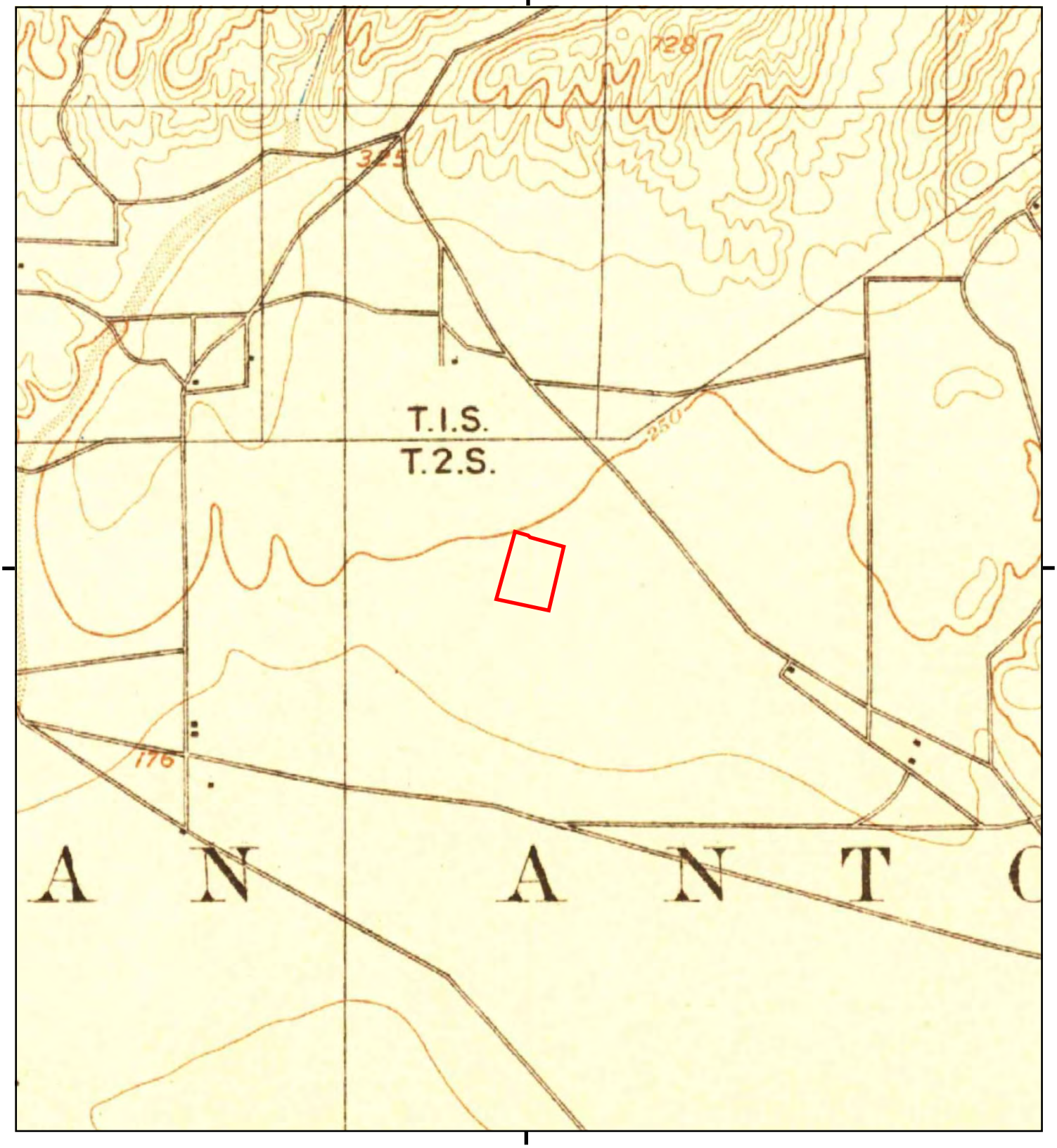
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Pasadena, 1900, 15-minute
TP, Los Angeles, 1900, 15-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N



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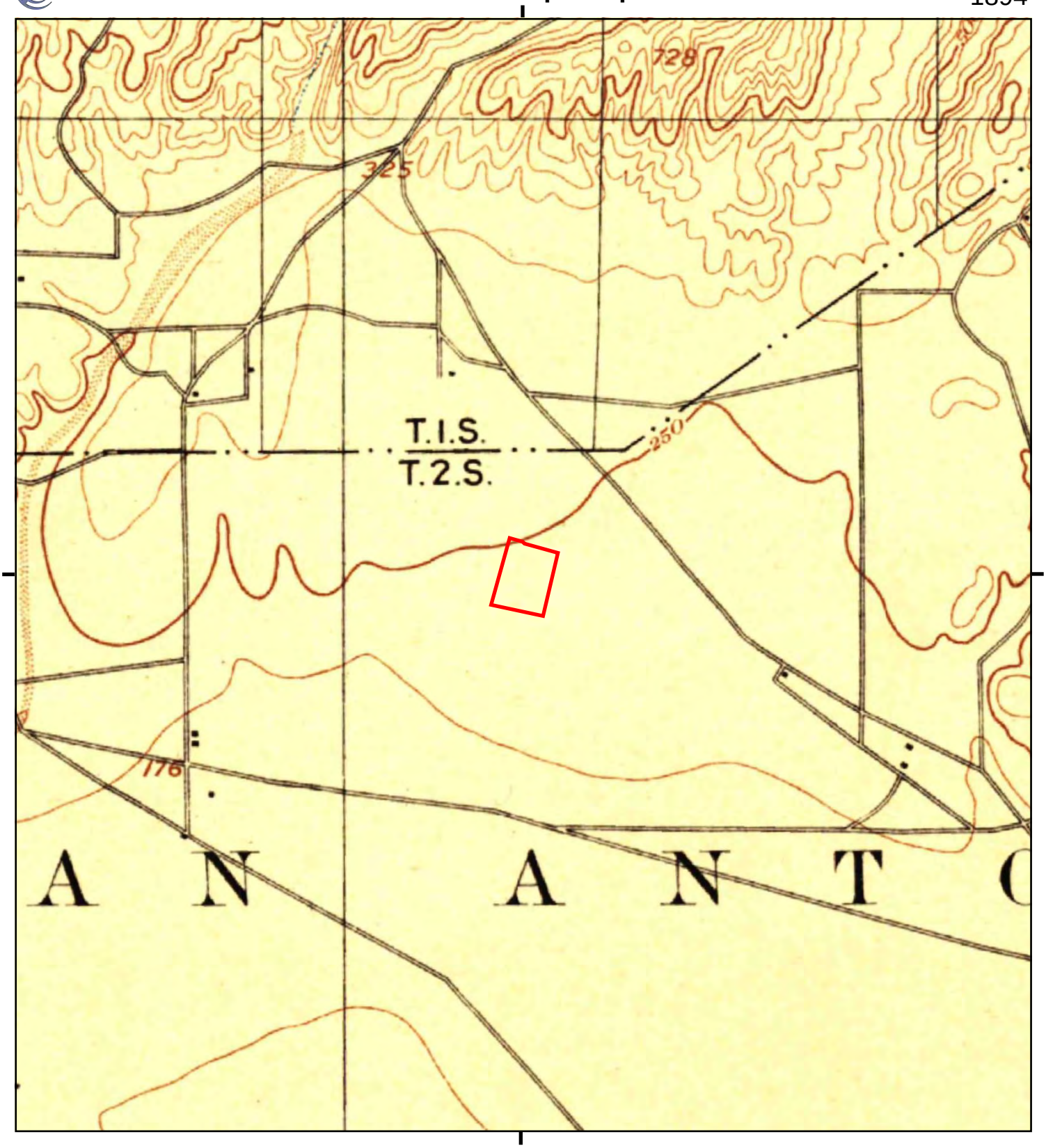
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Pasadena, 1896, 15-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Angeles, 1894, 15-minute

SITE NAME: Garfiield High School
ADDRESS: 5101 East 6th Street
Los Angeles, CA 90022
CLIENT: Millennium Environmental Consulting

N

Garfiield High School
5101 East 6th Street
Los Angeles, CA 90022

Inquiry Number: 6793054.6
December 17, 2021

The EDR Property Tax Map Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Garfiield High School
5101 East 6th Street
Los Angeles, CA 90022

Inquiry Number: 6793054.2s
December 17, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

5101 EAST 6TH STREET
LOS ANGELES, CA 90022

COORDINATES

Latitude (North):	34.0270260 - 34ˆ 1' 37.29''
Longitude (West):	118.1580870 - 118ˆ 9' 29.11''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	393081.9
UTM Y (Meters):	3765562.8
Elevation:	218 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12021699 LOS ANGELES, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
5101 EAST 6TH STREET
LOS ANGELES, CA 90022

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	GARFIELD HIGH SCHOOL	5101 E 6TH ST	FINDS		TP
A2	LA UNI SCH DIST, GAR	5101 E 6TH ST	EMI		TP
A3	GARFIELD HIGH SCHOOL	5101 E 6TH ST	CERS HAZ WASTE, LOS ANGELES CO. HMS, CERS		TP
A4	LAUSD/ GARFIELD HS	5101 E 6TH ST	HAZNET, HWTS		TP
A5	GARFIELD HIGH SCHOOL	5101 EAST SIXTH STRE	NPDES, CIWQS		TP
A6	JAMES A. GARFIELD HI	5101 E. 6TH ST.	EMI		TP
A7	LAUSD GARFIELD HIGH	5101 E 6TH ST	ECHO		TP
A8	LAUSD GARFIELD HIGH	5101 E 6TH ST	RCRA-SQG, FINDS		TP
Reg	FORMER EXIDE FACILIT		AOCONCERN	Same	2501, 0.474, WSW
9	MONTEREY CONTINUATIO	466 S FRASER AVE	RCRA-LQG	Higher	1 ft.
10	4TH STREET NEW PRIMA	ATLANTIC BOULEVARD/H	ENVIROSTOR, SCH	Lower	250, 0.047, SSE
B11	ALL STAR CAR AND TRU	525 S ATLANTIC BLVD	CERS HAZ WASTE, LOS ANGELES CO. HMS, CERS	Lower	252, 0.048, ESE
B12	BABES GILMORE SERVIC	501 ATLANTIC BLVD	EDR Hist Auto	Lower	254, 0.048, East
B13	ARMEX MOTORS USA	501 S ATLANTIC BLVD	SWEEPS UST	Lower	254, 0.048, East
14	ALCANTARS DRIVETRAIN	465 S ATLANTIC BLVD	EDR Hist Auto	Higher	261, 0.049, ENE
C15	TROPICANA CAR SALES	575 S ATLANTIC BLVD	CERS HAZ WASTE, CERS, HWTS	Lower	281, 0.053, SE
C16	BURGER KING	545 1/2 ATLANTIC BLV	LUST, Cortese, HIST CORTESE, LOS ANGELES CO. HMS,...	Lower	284, 0.054, SE
C17	G & AUTO LIQUIDATORS	545 S ATLANTIC BLVD	SWEEPS UST	Lower	284, 0.054, SE
C18	RIT MEDICAL CENTER	615 S ATLANTIC BLVD	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Lower	288, 0.055, SSE
C19	MURRAY BARBER	601 ATLANTIC BLVD	EDR Hist Auto	Lower	330, 0.062, SE
C20	R-BOYS STORES	601 S ATLANTIC AVE	SWEEPS UST	Lower	330, 0.062, SE
C21	R-BOYS 99 CENTS STOR	601 ATLANTIC BLVD S	LUST, Cortese, LOS ANGELES CO. HMS, CERS	Lower	330, 0.062, SE
C22	DR NAMIAN FAMILY DEN	609 S ATLANTIC BLVD	RCRA NonGen / NLR	Lower	349, 0.066, SE
C23	R-BOYS 99 CENTS STOR	601 ATLANTIC	HIST CORTESE	Lower	351, 0.066, SE
D24	NOAM BOUZAGLOU	467 SOUTH LA VERNE A	RCRA NonGen / NLR	Higher	385, 0.073, NW
D25	NB BUILDERS	465 SOUTH LA VERNE A	RCRA NonGen / NLR	Higher	402, 0.076, NW
C26	GRAFFIN E H	600 S ATLANTIC BLVD	EDR Hist Auto	Lower	433, 0.082, SE
E27	NO NAME	629 S. ATLANTIC	CPS-SLIC, CERS	Lower	453, 0.086, SSE
B28	URICH RUDOLPH	500 ATLANTIC BLVD	EDR Hist Auto	Higher	468, 0.089, East
E29	TALPITA AUTO BODY &	626 S ATLANTIC BLVD	CERS HAZ WASTE, LOS ANGELES CO. HMS, CERS	Lower	536, 0.102, SE
E30	RIQUIAC AUTO REPAIR	632 S ATLANTIC BLVD	RCRA NonGen / NLR	Lower	582, 0.110, SSE
E31	D&D AUTO REPAIR (CLO	632 S ATLANTIC BLVD	CERS HAZ WASTE, LOS ANGELES CO. HMS, CERS	Lower	582, 0.110, SSE
F32	SCHIENDLER ELEVATOR	416 S ATLANTIC BLVD	RCRA NonGen / NLR	Higher	603, 0.114, ENE
33	4TH STREET PRIMARY C	469 AMALIA ST	RCRA-LQG, FINDS	Higher	637, 0.121, East
D34	HUERTA JUAN	454 FERRIS AVE	EDR Hist Auto	Higher	645, 0.122, NW
F35	G&M S/S	401 ATLANTIC BLVD S	LUST, Cortese, LOS ANGELES CO. HMS, CERS	Higher	649, 0.123, NE
F36	PRONTO MARKETING #32	401 S ATLANTIC BLVD	SWEEPS UST, HIST UST, LOS ANGELES CO. HMS	Higher	649, 0.123, NE
F37	INGRAM E E	401 ATLANTIC BLVD	EDR Hist Auto	Higher	649, 0.123, NE
F38	G&M S/S	401 ATLANTIC	HIST CORTESE	Higher	649, 0.123, NE

MAPPED SITES SUMMARY

Target Property Address:
5101 EAST 6TH STREET
LOS ANGELES, CA 90022

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F39	TALLACT, LLC	414 S. ATLANTIC BL	RCRA NonGen / NLR	Higher	666, 0.126, ENE
G40	UHAUL CENTER	657 S ATLANTIC BLVD	RCRA-SQG, FINDS, ECHO	Lower	724, 0.137, SSE
G41	EAST L.A.MOVING CENT	657 S ATLANTIC BLVD	HIST UST, LOS ANGELES CO. HMS	Lower	724, 0.137, SSE
G42	U HAUL RENTAL	657 S ATLANTIC BLVD	SWEEPS UST, HIST UST, CA FID UST	Lower	724, 0.137, SSE
F43	CYCLE PARTS	400 S ATLANTIC BLVD	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	762, 0.144, NE
F44	CYCLE PARTS	400 S ATLANTIC BLVD	RCRA NonGen / NLR	Higher	762, 0.144, NE
H45	LA USD 4TH ST EL	420 S AMALIA AVE	RCRA-SQG, FINDS	Higher	845, 0.160, ENE
I46	BROTMAN AUTO CENTER	395 S ATLANTIC BLVD	RCRA NonGen / NLR	Higher	860, 0.163, NE
I47	BROTMAN AUTO CENTER	395 S ATLANTIC BLVD	CERS HAZ WASTE, HAZNET, CERS, HWTS	Higher	860, 0.163, NE
G48	J AND J FORD INC	668 S ATLANTIC BLVD	RCRA-SQG, FINDS, ECHO, HAZNET, LOS ANGELES CO....	Lower	863, 0.163, SSE
I49	UZETA AMC	377 ATLANTIC BLVD S	LUST, Cortese, HIST CORTESE, CERS	Higher	890, 0.169, NE
G50	FREEWAY FORD	666 S ATLANTIC BLVD	SWEEPS UST, CA FID UST	Lower	913, 0.173, SSE
G51	FREEWAY FORD	666 ATLANTIC BLVD S	LUST, Cortese, CERS	Lower	913, 0.173, SSE
G52	FREEWAY FORD	666 ATLANTIC	HIST CORTESE	Lower	913, 0.173, SSE
G53	FREEWAY FORD	666 S ATLANTIC BLVD	HIST UST	Lower	913, 0.173, SSE
I54	BROTMAN AUTO BODY	392 S ATLANTIC BLVD	CERS HAZ WASTE, EMI, LOS ANGELES CO. HMS, CERS	Higher	947, 0.179, NE
I55	GNC AUTO CTR INC DBA	392 SOUTH ATLANTIC B	RCRA NonGen / NLR	Higher	947, 0.179, NE
I56	CONSOLIDATED FREIGHT	392 S ATLANTIC BLVD	SWEEPS UST, CA FID UST	Higher	947, 0.179, NE
I57	BROTMAN AUTOBODY CTR	392 S ATLANTIC BLVD	RCRA-SQG, FINDS, ECHO	Higher	947, 0.179, NE
58	JAVIER LUNA	500 S FETTERLY	SWEEPS UST, CA FID UST	Higher	1008, 0.191, WNW
59	RALPH MORAN PROPERTY	4247 003RD ST E	LUST, Cortese, HIST CORTESE, CERS	Lower	1066, 0.202, SE
H60	CENTRAL REGION EEC N	421 S HILLVIEW AVE	RCRA-LQG	Higher	1088, 0.206, ENE
61	MAVRICIO ZEPEDA	681 S FERRIS AVE	SWEEPS UST	Lower	1093, 0.207, SW
62	BROTMAN AUTO BODY	344 S ATLANTIC BLVD	RCRA NonGen / NLR	Higher	1235, 0.234, NE
J63	O'REILLY AUTO PARTS	722 S ATLANTIC BLVD	RCRA NonGen / NLR	Lower	1251, 0.237, SSE
J64	KRAGEN AUTO PARTS	722 S ATLANTIC BLVD	CERS HAZ WASTE, LOS ANGELES CO. HMS, CERS	Lower	1251, 0.237, SSE
J65	FREEWAY FORD BODY SH	722 S ATLANTIC BLVD	HIST UST	Lower	1251, 0.237, SSE
J66	EAST LOS OG PAINT	729 S ATLANTIC BLVD	RCRA NonGen / NLR	Lower	1256, 0.238, South
J67	EAST LOS OG PAINT	729 S ATLANTIC BLVD	CERS HAZ WASTE, CERS	Lower	1256, 0.238, South
68	WHITTIER LA VERNE PA	753 S LA VERNE AVE	US BROWNFIELDS	Lower	1485, 0.281, SW
K69	UNOCAL #1107	300 ATLANTIC BLVD S	LUST, Cortese, CERS	Higher	1611, 0.305, NE
K70	EXXON USA #7	301 ATLANTIC	CHMIRS, HIST CORTESE	Higher	1655, 0.313, NNE
K71	EXXON/MOBIL #18-ETY	301 ATLANTIC BLVD S	LUST, Cortese, CERS	Higher	1655, 0.313, NNE
L72	EAST LOS ANGELES SHE	5019 003RD	HIST CORTESE	Higher	1747, 0.331, North
73	THE GREEN SPOT RECYC	4831 WHITTIER BLVD	SWRCY	Lower	1818, 0.344, SW
L74	LA CO SHERIFF EAST L	5019 E 3RD ST	LUST, CDL, HIST UST, Cortese, CERS	Higher	1835, 0.348, North
M75	ARCO #6153	5200 WHITTIER AVE. E	LUST, Cortese, CERS	Lower	1888, 0.358, South
M76	ARCO #6153	5200 WHITTIER	HIST CORTESE	Lower	1888, 0.358, South
77	PEP BOYS STORE #652	256 ATLANTIC BLVD S	LUST, Cortese, CERS	Higher	2157, 0.409, NE

MAPPED SITES SUMMARY

Target Property Address:
5101 EAST 6TH STREET
LOS ANGELES, CA 90022

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
78	WHITTIER-FETTERLY PA	922 S FETTERLY AVE	US BROWNFIELDS	Lower	2309, 0.437, SW
N79	CHEVRON 93699	250 S ATLANTIC BLVD	LUST, RCRA NonGen / NLR, Cortese, CERS	Higher	2449, 0.464, NE
N80	CHEVRON #9-3699	250 ATLANTIC	HIST CORTESE	Higher	2449, 0.464, NE
N81	CHEVRON #9-3699	250 ATLANTIC BLVD S	LUST	Higher	2449, 0.464, NE
O82	US POSTAL SERVICE	975 ATLANTIC BLVD S	LUST, Cortese, LOS ANGELES CO. HMS, CERS	Lower	2492, 0.472, South
O83	US POSTAL SERVICE	975 ATLANTIC	HIST CORTESE	Lower	2492, 0.472, South
84	CONTINENTAL CAN COMP	5650 EAST GRACE PLAC	ENVIROSTOR	Lower	3775, 0.715, SE
85	EAST LOS ANGELES HIG	BELVEDERE PARK/CESAR	ENVIROSTOR, SCH	Higher	3984, 0.755, NNW
86	WINKLER FLEXIBLE PRO	5600 E OLYMPIC BLVD	ENVIROSTOR, LOS ANGELES CO. HMS	Lower	4365, 0.827, SSE
87	JOSEPH A. GASCON ELE	630 LEONARD AVENUE	ENVIROSTOR, SCH	Lower	4786, 0.906, ESE
88	SARDO & SONS WAREHOU	5500 UNION PACIFIC A	CHMIRS, HWP	Lower	4786, 0.906, SSE
89	LOS ANGELES DRUM COM	1137 SOUTH EASTERN A	ENVIROSTOR	Lower	4852, 0.919, WSW
P90	ESB, INC. (EXIDE COR	5700 EAST OLYMPIC BL	ENVIROSTOR	Lower	4973, 0.942, SSE
P91	ESB INCORPORATED	5700 E OLYMPIC BLVD	HWP, CERS	Lower	4973, 0.942, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
GARFIELD HIGH SCHOOL 5101 E 6TH ST LOS ANGELES, CA 90022	FINDS Registry ID:: 110066695543	N/A
LA UNI SCH DIST, GAR 5101 E 6TH ST LOS ANGELES, CA 90022	EMI Facility Id: 11612	N/A
GARFIELD HIGH SCHOOL 5101 E 6TH ST LOS ANGELES, CA 90022	CERS HAZ WASTE LOS ANGELES CO. HMS Facility ID: 007716-I08148 Facility ID: 007716-008148 Facility ID: 007716-044142 CERS	N/A
LAUSD/ GARFIELD HS 5101 E 6TH ST LOS ANGELES, CA 90022	HAZNET GEPAID: CAD982024713 HWTS	N/A
GARFIELD HIGH SCHOOL 5101 EAST SIXTH STRE LOS ANGELES, CA 90022	NPDES CIWQS	N/A
JAMES A. GARFIELD HI 5101 E. 6TH ST. EAST LOS ANGELES, CA 90023	EMI Facility Id: 11612	N/A
LAUSD GARFIELD HIGH 5101 E 6TH ST LOS ANGELES, CA 90022	ECHO Registry ID: 110002780330	N/A
LAUSD GARFIELD HIGH 5101 E 6TH ST LOS ANGELES, CA 90022	RCRA-SQG EPA ID:: CAD982024713 FINDS Registry ID:: 110002780330	CAD982024713

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ---------- State Response Sites

EXECUTIVE SUMMARY

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---------- Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
UST ---------- Active UST Facilities
AST ---------- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---------- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP ---------- Voluntary Cleanup Program Properties
INDIAN VCP ---------- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---------- Waste Management Unit Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---------- Historical Calsites Database
CDL ---------- Clandestine Drug Labs
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
US CDL ---------- National Clandestine Laboratory Register
AQUEOUS FOAM ---------- Former Fire Training Facility Assessments Listing
PFAS ---------- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CERS TANKS ---------- California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS ---------- Environmental Liens Listing
LIENS 2 ---------- CERCLA Lien Information

DEED ---------- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
CHMIRS ---------- California Hazardous Material Incident Report System
LDS ---------- Land Disposal Sites Listing
MCS ---------- Military Cleanup Sites Listing
SPILLS 90 ---------- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---------- Formerly Used Defense Sites
DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
2020 COR ACTION ---------- 2020 Corrective Action Program List
TSCA ---------- Toxic Substances Control Act
TRIS ---------- Toxic Chemical Release Inventory System
SSTS ---------- Section 7 Tracking Systems
ROD ---------- Records Of Decision
RMP ---------- Risk Management Plans
RAATS ---------- RCRA Administrative Action Tracking System
PRP ---------- Potentially Responsible Parties
PADS ---------- PCB Activity Database System
ICIS ---------- Integrated Compliance Information System
FTTS ---------- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---------- Material Licensing Tracking System
COAL ASH DOE ---------- Steam-Electric Plant Operation Data
COAL ASH EPA ---------- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---------- PCB Transformer Registration Database
RADINFO ---------- Radiation Information Database
HIST FTTS ---------- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---------- Incident and Accident Data
CONSENT ---------- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---------- Indian Reservations
FUSRAP ---------- Formerly Utilized Sites Remedial Action Program
UMTRA ---------- Uranium Mill Tailings Sites
LEAD SMELTERS ---------- Lead Smelter Sites
US AIRS ---------- Aerometric Information Retrieval System Facility Subsystem
US MINES ---------- Mines Master Index File
ABANDONED MINES ---------- Abandoned Mines
UXO ---------- Unexploded Ordnance Sites
DOCKET HWC ---------- Hazardous Waste Compliance Docket Listing
FUELS PROGRAM ---------- EPA Fuels Program Registered Listing
CA BOND EXP. PLAN ---------- Bond Expenditure Plan
CUPA Listings ---------- CUPA Resources List
DRYCLEANERS ---------- Cleaner Facilities
ENF ---------- Enforcement Action Listing
Financial Assurance ---------- Financial Assurance Information Listing
ICE ---------- ICE
HWT ---------- Registered Hazardous Waste Transporter Database
MINES ---------- Mines Site Location Listing

MWMP Medical Waste Management Program Listing
PEST LIC Pesticide Regulation Licenses Listing
PROC Certified Processors Database
Notify 65 Proposition 65 Records
LA Co. Site Mitigation Site Mitigation List
UIC UIC Listing
UIC GEO UIC GEO (GEOTRACKER)
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
PROJECT PROJECT (GEOTRACKER)
WDR Waste Discharge Requirements Listing
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)
LOS ANGELES CO LF METHANE Methane Producing Landfills
MINES MRDS Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 3 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MONTEREY CONTINUATIO EPA ID:: CAR000195784	466 S FRASER AVE	0 - 1/8 (0.000 mi.)	9	85
4TH STREET PRIMARY C EPA ID:: CAR000127811	***469 AMALIA ST***	***E 0 - 1/8 (0.121 mi.)***	***33***	***147***
CENTRAL REGION EEC N EPA ID:: CAR000221259	421 S HILLVIEW AVE	ENE 1/8 - 1/4 (0.206 mi.)	H60	242

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 5 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LA USD 4TH ST EL EPA ID:: CAD981980014	***420 S AMALIA AVE***	***ENE 1/8 - 1/4 (0.160 mi.)***	***H45***	***181***
BROTMAN AUTOBODY CTR EPA ID:: CAD981368202	***392 S ATLANTIC BLVD***	***NE 1/8 - 1/4 (0.179 mi.)***	***I57***	***235***

Lower Elevation	Address	Direction / Distance	Map ID	Page
RIT MEDICAL CENTER EPA ID:: CAD983644659	***615 S ATLANTIC BLVD***	***SSE 0 - 1/8 (0.055 mi.)***	***C18***	***114***
UHAUL CENTER EPA ID:: CAD981641590	***657 S ATLANTIC BLVD***	***SSE 1/8 - 1/4 (0.137 mi.)***	***G40***	***159***
J AND J FORD INC EPA ID:: CAD983583378	***668 S ATLANTIC BLVD***	***SSE 1/8 - 1/4 (0.163 mi.)***	***G48***	***198***

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/22/2021 has revealed that there are 7 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EAST LOS ANGELES HIG Facility Id: 19820069 Status: Inactive - Needs Evaluation	***BELVEDERE PARK/CESAR***	***NNW 1/2 - 1 (0.755 mi.)***	***85***	***348***

Lower Elevation	Address	Direction / Distance	Map ID	Page
4TH STREET NEW PRIMA Facility Id: 19790004 Status: No Action Required	***ATLANTIC BOULEVARD/H***	***SSE 0 - 1/8 (0.047 mi.)***	***10***	***87***
CONTINENTAL CAN COMP Facility Id: 19340722 Status: Refer: Other Agency	5650 EAST GRACE PLAC	SE 1/2 - 1 (0.715 mi.)	84	346
WINKLER FLEXIBLE PRO Facility Id: 60002168 Status: Refer: Local Agency	***5600 E OLYMPIC BLVD***	***SSE 1/2 - 1 (0.827 mi.)***	***86***	***350***
JOSEPH A. GASCON ELE Facility Id: 60000683 Status: No Action Required	***630 LEONARD AVENUE***	***ESE 1/2 - 1 (0.906 mi.)***	***87***	***352***
LOS ANGELES DRUM COM Facility Id: 19340798 Status: Active	1137 SOUTH EASTERN A	WSW 1/2 - 1 (0.919 mi.)	89	358
ESB, INC. (EXIDE COR Facility Id: 60001725 Status: No Further Action	5700 EAST OLYMPIC BL	SSE 1/2 - 1 (0.942 mi.)	P90	359

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 14 LUST sites within

approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
G&M S/S	***401 ATLANTIC BLVD S***	***NE 0 - 1/8 (0.123 mi.)***	***F35***	***150***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Facility Id: R-16927 Status: Preliminary site assessment underway Global Id: T0603705293 Global ID: T0603705293				
UZETA AMC	***377 ATLANTIC BLVD S***	***NE 1/8 - 1/4 (0.169 mi.)***	***I49***	***217***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Facility Id: R-01787 Status: Case Closed Global Id: T0603704575 Global ID: T0603704575				
UNOCAL #1107	***300 ATLANTIC BLVD S***	***NE 1/4 - 1/2 (0.305 mi.)***	***K69***	***278***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Facility Id: R-01688 Status: Case Closed Global Id: T0603704571 Global ID: T0603704571				
EXXON/MOBIL #18-ETY	***301 ATLANTIC BLVD S***	***NNE 1/4 - 1/2 (0.313 mi.)***	***K71***	***283***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Facility Id: I-09416 Status: Remedial action (cleanup) Underway Global Id: T10000006475 Global Id: T0603703468 Global ID: T0603703468				
LA CO SHERIFF EAST L	***5019 E 3RD ST***	***N 1/4 - 1/2 (0.348 mi.)***	***L74***	***292***
Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Global Id: T0603704650				
PEP BOYS STORE #652	***256 ATLANTIC BLVD S***	***NE 1/4 - 1/2 (0.409 mi.)***	***77***	***314***
Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Global Id: T0603758495				
CHEVRON 93699	***250 S ATLANTIC BLVD***	***NE 1/4 - 1/2 (0.464 mi.)***	***N79***	***334***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: R-02561 Status: Case Closed Global ID: T0603704596				
CHEVRON #9-3699	250 ATLANTIC BLVD S	NE 1/4 - 1/2 (0.464 mi.)	N81	341
Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Global Id: T0603704596				

Lower Elevation	Address	Direction / Distance	Map ID	Page
BURGER KING	***545 1/2 ATLANTIC BLV***	***SE 0 - 1/8 (0.054 mi.)***	***C16***	***110***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/07/2021				

Status: Completed - Case Closed
Facility Id: R-23096
Status: Case Closed
Global Id: T0603705382
Global ID: T0603705382

R-BOYS 99 CENTS STOR ***601 ATLANTIC BLVD S*** ***SE 0 - 1/8 (0.062 mi.)*** ***C21*** ***119***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Facility Id: R-09726
Status: Remediation Plan
Global Id: T0603704853
Global ID: T0603704853

FREEWAY FORD ***666 ATLANTIC BLVD S*** ***SSE 1/8 - 1/4 (0.173 mi.)*** ***G51*** ***221***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Facility Id: R-03618
Status: Case Closed
Global Id: T0603704619
Global ID: T0603704619

RALPH MORAN PROPERTY ***4247 003RD ST E*** ***SE 1/8 - 1/4 (0.202 mi.)*** ***59*** ***239***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Facility Id: R-06196
Status: Case Closed
Global Id: T0603704724
Global ID: T0603704724

ARCO #6153 ***5200 WHITTIER AVE. E*** ***S 1/4 - 1/2 (0.358 mi.)*** ***M75*** ***300***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Facility Id: I-01792
Facility Id: I-01792A
Status: Case Closed
Status: Leak being confirmed
Global Id: T0603702801
Global Id: T0603796319
Global ID: T0603702801
Global ID: T0603796319

US POSTAL SERVICE ***975 ATLANTIC BLVD S*** ***S 1/4 - 1/2 (0.472 mi.)*** ***O82*** ***343***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 09/07/2021
Status: Completed - Case Closed
Facility Id: R-24209
Status: Case Closed
Global Id: T0603705437
Global ID: T0603705437

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
NO NAME	***629 S. ATLANTIC***	***SSE 0 - 1/8 (0.086 mi.)***	***E27***	***130***
Database: CPS-SLIC, Date of Government Version: 09/07/2021 Global Id: T10000003705 Facility Status: Open - Inactive				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/10/2021 has revealed that there are 2 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WHITTIER LA VERNE PA ACRES property ID: 241808 Cleanup Completion Date: -	753 S LA VERNE AVE	SW 1/4 - 1/2 (0.281 mi.)	68	263
WHITTIER-FETTERLY PA ACRES property ID: 241807 Cleanup Completion Date: -	922 S FETTERLY AVE	SW 1/4 - 1/2 (0.437 mi.)	78	317

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 09/07/2021 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE GREEN SPOT RECYC Cert Id: RC242081.001	4831 WHITTIER BLVD	SW 1/4 - 1/2 (0.344 mi.)	73	292

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN: San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

A review of the AOCONCERN list, as provided by EDR, has revealed that there is 1 AOCONCERN site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER EXIDE FACILIT		WSW 1/4 - 1/2 (0.474 mi.)	0	84

SCH: This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category. depending on the level of threat to public health and safety or the. environment they pose.

A review of the SCH list, as provided by EDR, and dated 07/22/2021 has revealed that there is 1 SCH site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
4TH STREET NEW PRIMA	***ATLANTIC BOULEVARD/H***	***SSE 0 - 1/8 (0.047 mi.)***	***10***	***87***
Facility Id: 19790004				
Status: No Action Required				

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 07/15/2021 has revealed that there are 9 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CYCLE PARTS	***400 S ATLANTIC BLVD***	***NE 1/8 - 1/4 (0.144 mi.)***	***F43***	***166***
BROTMAN AUTO CENTER	***395 S ATLANTIC BLVD***	***NE 1/8 - 1/4 (0.163 mi.)***	***I47***	***186***
BROTMAN AUTO BODY	***392 S ATLANTIC BLVD***	***NE 1/8 - 1/4 (0.179 mi.)***	***I54***	***226***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
ALL STAR CAR AND TRU	***525 S ATLANTIC BLVD***	***ESE 0 - 1/8 (0.048 mi.)***	***B11***	***90***
TROPICANA CAR SALES	***575 S ATLANTIC BLVD***	***SE 0 - 1/8 (0.053 mi.)***	***C15***	***105***
TALPITA AUTO BODY &	***626 S ATLANTIC BLVD***	***SE 0 - 1/8 (0.102 mi.)***	***E29***	***131***
D&D AUTO REPAIR (CLO	***632 S ATLANTIC BLVD***	***SSE 0 - 1/8 (0.110 mi.)***	***E31***	***138***
KRAGEN AUTO PARTS	***722 S ATLANTIC BLVD***	***SSE 1/8 - 1/4 (0.237 mi.)***	***J64***	***250***
EAST LOS OG PAINT	***729 S ATLANTIC BLVD***	***S 1/8 - 1/4 (0.238 mi.)***	***J67***	***256***

EXECUTIVE SUMMARY

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 9 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRONTO MARKETING #32 Status: A Tank Status: A Comp Number: 1840	***401 S ATLANTIC BLVD***	***NE 0 - 1/8 (0.123 mi.)***	***F36***	***153***
CONSOLIDATED FREIGHT Status: A Tank Status: A Comp Number: 12261	***392 S ATLANTIC BLVD***	***NE 1/8 - 1/4 (0.179 mi.)***	***I56***	***234***
JAVIER LUNA Status: A Tank Status: A Comp Number: 16584	***500 S FETTERLY***	***WNW 1/8 - 1/4 (0.191 mi.)***	***58***	***238***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ARMEX MOTORS USA Comp Number: 1490	501 S ATLANTIC BLVD	E 0 - 1/8 (0.048 mi.)	B13	104
G & AUTO LIQUIDATORS Status: A Tank Status: A Comp Number: 2017	545 S ATLANTIC BLVD	SE 0 - 1/8 (0.054 mi.)	C17	114
R-BOYS STORES Status: A Tank Status: A Comp Number: 9726	601 S ATLANTIC AVE	SE 0 - 1/8 (0.062 mi.)	C20	118
U HAUL RENTAL Status: A Tank Status: A Comp Number: 4362	***657 S ATLANTIC BLVD***	***SSE 1/8 - 1/4 (0.137 mi.)***	***G42***	***164***
FREEWAY FORD Comp Number: 3618	***666 S ATLANTIC BLVD***	***SSE 1/8 - 1/4 (0.173 mi.)***	***G50***	***220***
MAVRICIO ZEPEDA Status: A Comp Number: 9012	681 S FERRIS AVE	SW 1/8 - 1/4 (0.207 mi.)	61	245

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 5 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRONTO MARKETING #32 Facility Id: 00000041529	***401 S ATLANTIC BLVD***	***NE 0 - 1/8 (0.123 mi.)***	***F36***	***153***

Lower Elevation	Address	Direction / Distance	Map ID	Page
EAST L.A.MOVING CENT Facility Id: 00000003503	***657 S ATLANTIC BLVD***	***SSE 1/8 - 1/4 (0.137 mi.)***	***G41***	***162***
U HAUL RENTAL	***657 S ATLANTIC BLVD***	***SSE 1/8 - 1/4 (0.137 mi.)***	***G42***	***164***
FREEWAY FORD Facility Id: 00000019011	666 S ATLANTIC BLVD	SSE 1/8 - 1/4 (0.173 mi.)	G53	225
FREEWAY FORD BODY SH Facility Id: 00000019023	722 S ATLANTIC BLVD	SSE 1/8 - 1/4 (0.237 mi.)	J65	253

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 4 CA FID UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSOLIDATED FREIGHT Facility Id: 19019771 Status: A	***392 S ATLANTIC BLVD***	***NE 1/8 - 1/4 (0.179 mi.)***	***I56***	***234***
JAVIER LUNA Facility Id: 19055176 Status: A	***500 S FETTERLY***	***WNW 1/8 - 1/4 (0.191 mi.)***	***58***	***238***

Lower Elevation	Address	Direction / Distance	Map ID	Page
U HAUL RENTAL Facility Id: 19022988 Status: A	***657 S ATLANTIC BLVD***	***SSE 1/8 - 1/4 (0.137 mi.)***	***G42***	***164***
FREEWAY FORD Facility Id: 19003108 Status: I	***666 S ATLANTIC BLVD***	***SSE 1/8 - 1/4 (0.173 mi.)***	***G50***	***220***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that

there are 12 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NOAM BOUZAGLOU	467 SOUTH LA VERNE A	NW 0 - 1/8 (0.073 mi.)	D24	125
NB BUILDERS	465 SOUTH LA VERNE A	NW 0 - 1/8 (0.076 mi.)	D25	128
SCHIENDLER ELEVATOR	416 S ATLANTIC BLVD	ENE 0 - 1/8 (0.114 mi.)	F32	144
TALLACT, LLC	414 S. ATLANTIC BL	ENE 1/8 - 1/4 (0.126 mi.)	F39	157
CYCLE PARTS EPA ID:: CAL000013567	400 S ATLANTIC BLVD	NE 1/8 - 1/4 (0.144 mi.)	F44	178
BROTMAN AUTO CENTER EPA ID:: CAL000223632	395 S ATLANTIC BLVD	NE 1/8 - 1/4 (0.163 mi.)	I46	183
GNC AUTO CTR INC DBA EPA ID:: CAL000158015	392 SOUTH ATLANTIC B	NE 1/8 - 1/4 (0.179 mi.)	I55	231
BROTMAN AUTO BODY EPA ID:: CAL000355186	344 S ATLANTIC BLVD	NE 1/8 - 1/4 (0.234 mi.)	62	245

Lower Elevation	Address	Direction / Distance	Map ID	Page
DR NAMIAN FAMILY DEN EPA ID:: CAL000304130	609 S ATLANTIC BLVD	SE 0 - 1/8 (0.066 mi.)	C22	122
RIQUIAC AUTO REPAIR EPA ID:: CAL000381615	632 S ATLANTIC BLVD	SSE 0 - 1/8 (0.110 mi.)	E30	135
O'REILLY AUTO PARTS EPA ID:: CAL000393314	722 S ATLANTIC BLVD	SSE 1/8 - 1/4 (0.237 mi.)	J63	248
EAST LOS OG PAINT EPA ID:: CAL000447581	729 S ATLANTIC BLVD	S 1/8 - 1/4 (0.238 mi.)	J66	254

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 09/20/2021 has revealed that there are 13 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
G&M S/S Cleanup Status: COMPLETED - CASE CLOSED	***401 ATLANTIC BLVD S***	***NE 0 - 1/8 (0.123 mi.)***	***F35***	***150***
UZETA AMC Cleanup Status: COMPLETED - CASE CLOSED	***377 ATLANTIC BLVD S***	***NE 1/8 - 1/4 (0.169 mi.)***	***I49***	***217***
UNOCAL #1107 Cleanup Status: COMPLETED - CASE CLOSED	***300 ATLANTIC BLVD S***	***NE 1/4 - 1/2 (0.305 mi.)***	***K69***	***278***
EXXON/MOBIL #18-ETY Cleanup Status: COMPLETED - CASE CLOSED	***301 ATLANTIC BLVD S***	***NNE 1/4 - 1/2 (0.313 mi.)***	***K71***	***283***
LA CO SHERIFF EAST L Cleanup Status: COMPLETED - CASE CLOSED	***5019 E 3RD ST***	***N 1/4 - 1/2 (0.348 mi.)***	***L74***	***292***
PEP BOYS STORE #652 Cleanup Status: COMPLETED - CASE CLOSED	***256 ATLANTIC BLVD S***	***NE 1/4 - 1/2 (0.409 mi.)***	***77***	***314***
CHEVRON 93699 Cleanup Status: COMPLETED - CASE CLOSED	***250 S ATLANTIC BLVD***	***NE 1/4 - 1/2 (0.464 mi.)***	***N79***	***334***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BURGER KING	***545 1/2 ATLANTIC BLV***	***SE 0 - 1/8 (0.054 mi.)***	***C16***	***110***

Cleanup Status: COMPLETED - CASE CLOSED

R-BOYS 99 CENTS STOR	***601 ATLANTIC BLVD S***	***SE 0 - 1/8 (0.062 mi.)***	***C21***	***119***
Cleanup Status: COMPLETED - CASE CLOSED				
FREEWAY FORD	***666 ATLANTIC BLVD S***	***SSE 1/8 - 1/4 (0.173 mi.)***	***G51***	***221***
Cleanup Status: COMPLETED - CASE CLOSED				
RALPH MORAN PROPERTY	***4247 003RD ST E***	***SE 1/8 - 1/4 (0.202 mi.)***	***59***	***239***
Cleanup Status: COMPLETED - CASE CLOSED				
ARCO #6153	***5200 WHITTIER AVE. E***	***S 1/4 - 1/2 (0.358 mi.)***	***M75***	***300***
Cleanup Status: COMPLETED - CASE CLOSED				
US POSTAL SERVICE	***975 ATLANTIC BLVD S***	***S 1/4 - 1/2 (0.472 mi.)***	***O82***	***343***
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 11 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
G&M S/S	401 ATLANTIC	NE 0 - 1/8 (0.123 mi.)	F38	156
Reg Id: R-16927				
UZETA AMC	***377 ATLANTIC BLVD S***	***NE 1/8 - 1/4 (0.169 mi.)***	***I49***	***217***
Reg Id: R-01787				
EXXON USA #7	***301 ATLANTIC***	***NNE 1/4 - 1/2 (0.313 mi.)***	***K70***	***281***
Reg Id: I-09678				
EAST LOS ANGELES SHE	5019 003RD	N 1/4 - 1/2 (0.331 mi.)	L72	291
Reg Id: R-04705				
CHEVRON #9-3699	250 ATLANTIC	NE 1/4 - 1/2 (0.464 mi.)	N80	341
Reg Id: R-02561				

Lower Elevation	Address	Direction / Distance	Map ID	Page
BURGER KING	***545 1/2 ATLANTIC BLV***	***SE 0 - 1/8 (0.054 mi.)***	***C16***	***110***
Reg Id: R-23096				
R-BOYS 99 CENTS STOR	601 ATLANTIC	SE 0 - 1/8 (0.066 mi.)	C23	125
Reg Id: R-09726				
FREEWAY FORD	666 ATLANTIC	SSE 1/8 - 1/4 (0.173 mi.)	G52	225
Reg Id: R-03618				
RALPH MORAN PROPERTY	***4247 003RD ST E***	***SE 1/8 - 1/4 (0.202 mi.)***	***59***	***239***
Reg Id: R-06196				
ARCO #6153	5200 WHITTIER	S 1/4 - 1/2 (0.358 mi.)	M76	314
Reg Id: I-01792				
US POSTAL SERVICE	975 ATLANTIC	S 1/4 - 1/2 (0.472 mi.)	O83	346
Reg Id: R-24209				

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 08/13/2021 has revealed that there are 2 HWP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SARDO & SONS WAREHOU	***5500 UNION PACIFIC A***	***SSE 1/2 - 1 (0.906 mi.)***	***88***	***354***
EPA ID: CAD983667783				
Cleanup Status: CLOSED				
ESB INCORPORATED	***5700 E OLYMPIC BLVD***	***SSE 1/2 - 1 (0.942 mi.)***	***P91***	***360***
EPA ID: CAD008312951				
Cleanup Status: PROTECTIVE FILER				

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 7 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALCANTARS DRIVETRAIN	465 S ATLANTIC BLVD	ENE 0 - 1/8 (0.049 mi.)	14	104
URICH RUDOLPH	500 ATLANTIC BLVD	E 0 - 1/8 (0.089 mi.)	B28	131
HUERTA JUAN	454 FERRIS AVE	NW 0 - 1/8 (0.122 mi.)	D34	149
INGRAM E E	401 ATLANTIC BLVD	NE 0 - 1/8 (0.123 mi.)	F37	156

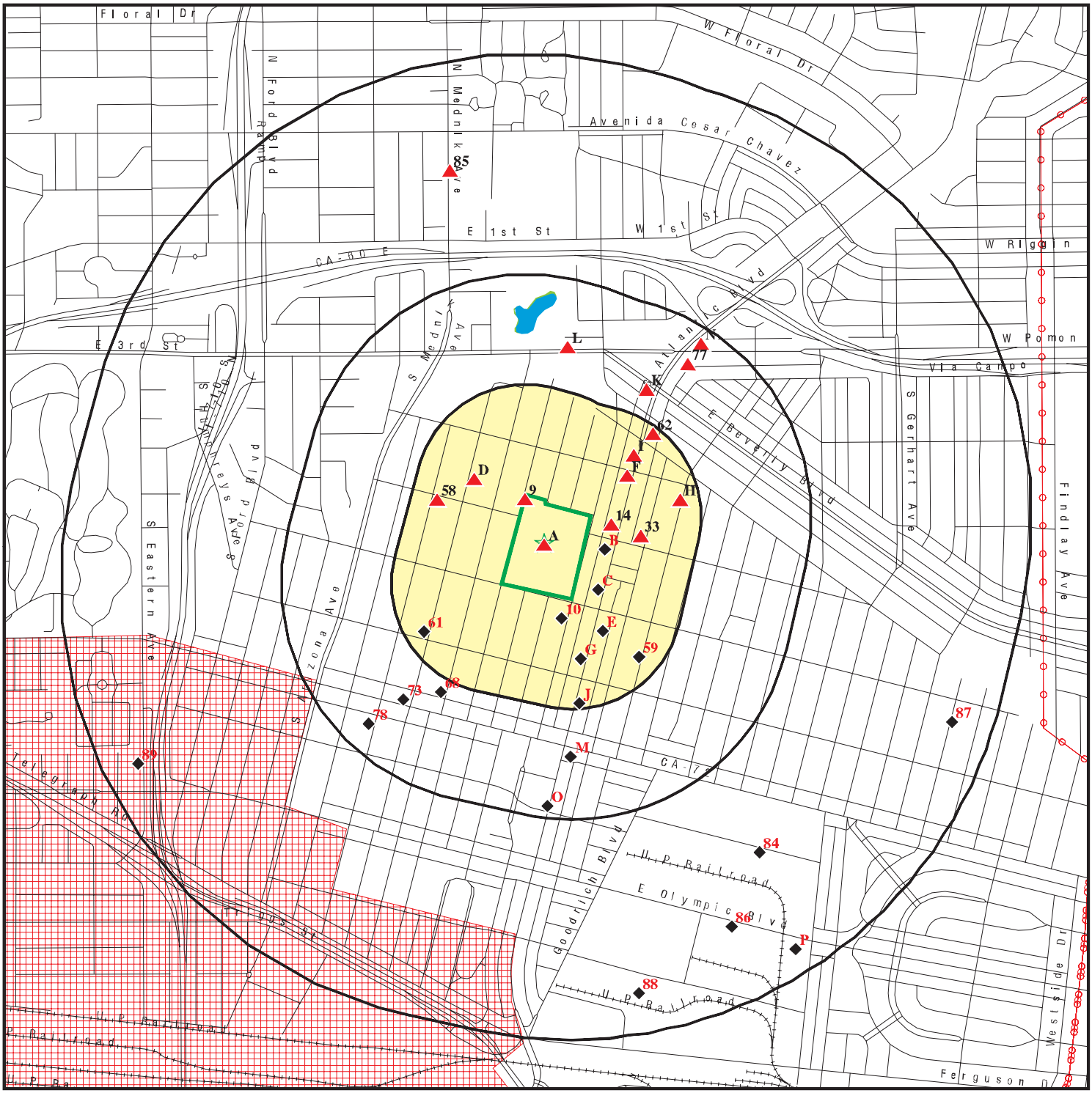
Lower Elevation	Address	Direction / Distance	Map ID	Page
BABES GILMORE SERVIC	501 ATLANTIC BLVD	E 0 - 1/8 (0.048 mi.)	B12	104
MURRAY BARBER	601 ATLANTIC BLVD	SE 0 - 1/8 (0.062 mi.)	C19	118
GRAFFIN E H	600 S ATLANTIC BLVD	SE 0 - 1/8 (0.082 mi.)	C26	130

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
ALPHA CLEANERS	DRYCLEANERS

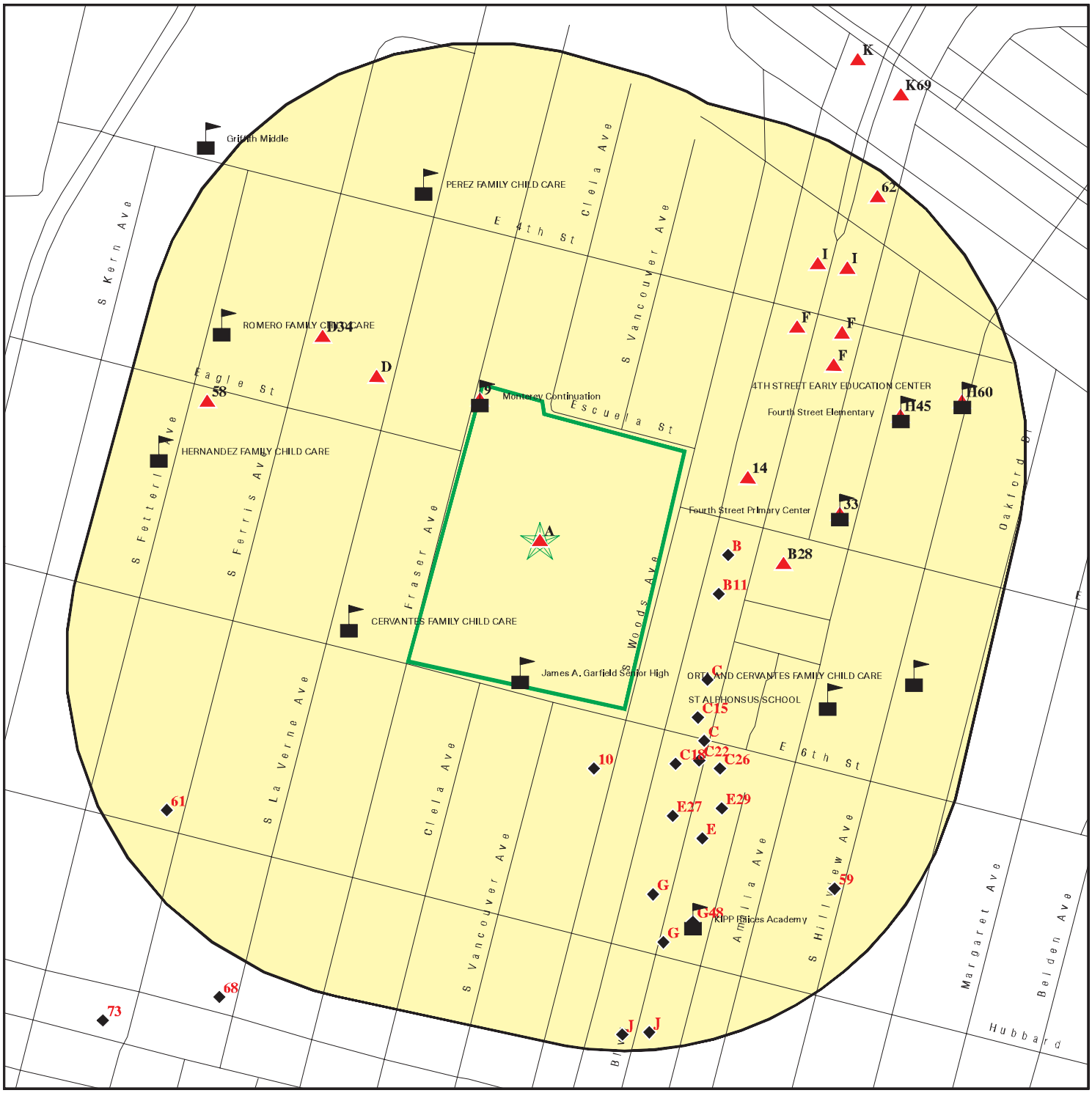
OVERVIEW MAP - 6793054.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Garfiield High School	CLIENT:	Millennium Environmental Consulting
ADDRESS:	5101 East 6th Street Los Angeles CA 90022	CONTACT:	Scott Nunes
		INQUIRY #:	6793054.2s
LAT/LONG:	34.027026 / 118.158087	DATE:	December 17, 2021 3:16 pm

DETAIL MAP - 6793054.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Garfiield High School	CLIENT: Millennium Environmental Consulting
ADDRESS: 5101 East 6th Street Los Angeles CA 90022	CONTACT: Scott Nunes
LAT/LONG: 34.027026 / 118.158087	INQUIRY #: 6793054.2s DATE: December 17, 2021 3:16 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		2	1	NR	NR	NR	3
RCRA-SQG	0.250	1	1	4	NR	NR	NR	6
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		1	0	0	6	NR	7
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		3	3	8	NR	NR	14
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		1	0	0	NR	NR	1
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	2	NR	NR	2
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	1	NR	NR	1
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	1	0	NR	1
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		1	0	NR	NR	NR	1
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250	1	4	5	NR	NR	NR	10
US CDL	TP		NR	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		4	5	NR	NR	NR	9
HIST UST	0.250		1	4	NR	NR	NR	5

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA FID UST	0.250		0	4	NR	NR	NR	4
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		5	7	NR	NR	NR	12
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	2	NR	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
ECHO	TP	1	NR	NR	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		3	3	7	NR	NR	13
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP	2	NR	NR	NR	NR	NR	2
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		3	3	5	NR	NR	11
LOS ANGELES CO. HMS	TP	1	NR	NR	NR	NR	NR	1
HWP	1.000		0	0	0	2	NR	2
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP	1	NR	NR	NR	NR	NR	1
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP	1	NR	NR	NR	NR	NR	1
CERS	TP	1	NR	NR	NR	NR	NR	1
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
LOS ANGELES CO LF METHANE	0.500		0	0	0	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		7	NR	NR	NR	NR	7
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		13	36	39	24	8	0	120

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **GARFIELD HIGH SCHOOL** **FINDS** **1023371679**
Target **5101 E 6TH ST** **N/A**
Property **LOS ANGELES, CA 90022**

Site 1 of 8 in cluster A

Actual: **218 ft.**

FINDS:
Registry ID: 110066695543

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A2 **LA UNI SCH DIST, GARFIELD HIGH** **EMI** **S103662927**
Target **5101 E 6TH ST** **N/A**
Property **LOS ANGELES, CA 90022**

Site 2 of 8 in cluster A

Actual: **218 ft.**

EMI:

Name:	LA UNI SCH DIST, GARFIELD HIGH
Address:	5101 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 900220000
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	11612
Air District Name:	SC
SIC Code:	8211
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

A3 **GARFIELD HIGH SCHOOL** **CERS HAZ WASTE** **S106853384**
Target **5101 E 6TH ST** **LOS ANGELES CO. HMS** **N/A**
Property **LOS ANGELES, CA 90022** **CERS**

Site 3 of 8 in cluster A

Actual: **218 ft.**

CERS HAZ WASTE:

Name:	GARFIELD HIGH SCHOOL
Address:	5101 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90022
Site ID:	32520
CERS ID:	10400299
CERS Description:	Hazardous Waste Generator

LOS ANGELES CO. HMS:

GARFIELD HIGH SCHOOL (Continued) **S106853384**

Name: GARFIELD HIGH SCHOOL
Address: 5101 E 6TH ST
City,State,Zip: LOS ANGELES, CA 900223209
Region: LA
Permit Category: I
Facility Id: 007716-I08148
Facility Type: 02
Facility Status: Permit
Area: 39
Permit Number: 000009087
Permit Status: Permit

Name: GARFIELD HIGH SCHOOL
Address: 5101 E 6TH ST
City,State,Zip: LOS ANGELES, CA 900223209
Region: LA
Permit Category: T
Facility Id: 007716-008148
Facility Type: 0
Facility Status: Closed
Area: 39
Permit Number: 000692381
Permit Status: Closed

Name: GARFIELD HIGH SCHOOL
Address: 5101 E 6TH ST
City,State,Zip: LOS ANGELES, CA 900223209
Region: LA
Permit Category: S
Facility Id: 007716-044142
Facility Type: S5
Facility Status: Closed
Area: 39
Permit Number: 000529670
Permit Status: Closed

CERS:
Name: GARFIELD HIGH SCHOOL
Address: 5101 E 6TH ST
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 32520
CERS ID: 10400299
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 32520
Site Name: Garfield High School
Violation Date: 05-21-2015
Citation: 22 CCR 12 66262.40(c) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(c)
Violation Description: Failure to determine if the waste generated is a hazardous waste and to maintain analysis results for three years.
Violation Notes: Returned to compliance on 08/31/2015. OBSERVATION: Fine metal powder from grinding auto parts in trash bin/ drum. However, per operator, metal fines generated from grinding auto parts are supposed to be recycled as scrap metal. Any person who generates a waste shall determine if the waste is a hazardous waste. CORRECTIVE ACTION:

GARFIELD HIGH SCHOOL (Continued) **S106853384**

	Immediately stop recycling metal fines, make a hazardous waste determination for the fine metal powder, and manage it according the Title 22 hazardous waste regulations. Particles 100 microns or smaller must be handled as hazardous waste if the metal is determined to be a hazardous waste. Submit a statement and supporting documentation by 06/22/15.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	32520
Site Name:	Garfield High School
Violation Date:	05-21-2015
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..
Violation Notes:	Returned to compliance on 08/05/2015. OBSERVATION: OILY SLUDGE INSIDE CLARIIFIER. Facilities shall be maintained and operated to minimize the possibility of a fire, explosion, or release of hazardous waste to air, soil, or surface water which could threaten human health or the environment. CORRECTIVE ACTION: Owner/Operator shall immediatly maintain the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment. The Owner/Operator shall develop procedures to operate the facility in such a manner to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	32520
Site Name:	Garfield High School
Violation Date:	05-21-2015
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 08/31/2015. OBSERVATION: Copies of hazardous waste disposal records for the following materials were not available. 1. Used oil 2. Absorbent 3. Antifreeze 4. Universal Waste 5. Contaminated rags from Print shop 6. Chemical waste from Chemistry lab CORRECTIVE ACTION: Immediately locate a copy of all manifests and receipts for the last three years and submit copies to the CUPA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	32520
Site Name:	Garfield High School

GARFIELD HIGH SCHOOL (Continued) **S106853384**

Violation Date:	05-21-2015
Citation:	22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description:	Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes:	Returned to compliance on 08/05/2015. OBSERVATION: Disposal record of drained used oil filters were not available. CORRECTIVE ACTION: Owner/Operator shall immediatly comply with the Title 22 regulations with regards to the proper handling, management, labeling and recycling of used oil and fuel filters.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	32520
Site Name:	Garfield High School
Violation Date:	05-21-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/05/2015. OBSERVATION: Missing information on Hazardous Waste label on waste anti-freeze, waste oil drums. All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all containers are marked with all the required information.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-21-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Manuel Alamillo, Building and Ground Worker
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	08-31-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-08-2019
Violations Found:	No

GARFIELD HIGH SCHOOL (Continued) **S106853384**

Eval Type:	Routine done by local agency
Eval Notes:	Consent given by Carlos Velez, Plant Manager NO VIOLATION OBSERVED AT THE TIME OF INSPECTION
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-21-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Manuel Alamillo, Building and Ground Worker No significant violation observed at the time of inspection.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-28-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-05-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-08-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Consent given by Carlos Velez, Plant Manager NO VIOLATION AT THE TIME OF INSPECTION
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-13-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	32520
Facility Name:	Garfield High School

GARFIELD HIGH SCHOOL (Continued) **S106853384**

Env Int Type Code: HWG
Program ID: 10400299
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 34.028060
Longitude: -118.158090

Affiliation:
Affiliation Type Desc: Property Owner
Entity Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Entity Title: Not reported
Affiliation Address: 333 S BEAUDRY AVE, 21ST FLOOR
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90017
Affiliation Phone: (213) 241-3199

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 333 S BEAUDRY AVE 21ST FL
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90017
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: ANDRES FAVELA
Entity Title: PRINCIPAL
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Environmental Contact
Entity Name: SAMANTHA HAN
Entity Title: Not reported
Affiliation Address: 333 S BEAUDRY AVE, 21ST FLOOR
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90017
Affiliation Phone: Not reported

GARFIELD HIGH SCHOOL (Continued) **S106853384**

Affiliation Type Desc:	Operator
Entity Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(213) 241-3199

Affiliation Type Desc:	Document Preparer
Entity Name:	Irish Isaac
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Entity Title:	Not reported
Affiliation Address:	333 S BEAUDRY AVE, 21ST FL
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90017
Affiliation Phone:	(213) 241-3199

Affiliation Type Desc:	Parent Corporation
Entity Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

A4 **LAUSD/ GARFIELD HS** **HAZNET** **S113012708**
Target **5101 E 6TH ST** **HWTS** **N/A**
Property **LOS ANGELES, CA 90022**

Site 4 of 8 in cluster A

Actual: **218 ft.**

HAZNET:

Name:	LAUSD/ GARFIELD HS
Address:	5101 E 6TH ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900170000
Contact:	PAT SCHAENEN
Telephone:	2132413356
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE FL 21
Year:	2019

LAUSD/ GARFIELD HS (Continued) **S113012708**

Gepaid: CAD982024713
TSD EPA ID: NVT330010000
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.12500

Year: 2017
Gepaid: CAD982024713
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.418

Year: 2015
Gepaid: CAD982024713
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.668

Year: 2015
Gepaid: CAD982024713
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.042

Year: 2015
Gepaid: CAD982024713
TSD EPA ID: TXD055141378
CA Waste Code: 261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.14877

Year: 2015
Gepaid: CAD982024713
TSD EPA ID: TXD055141378
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.65

Year: 2015
Gepaid: CAD982024713
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.247

Year: 2013
Gepaid: CAD982024713
TSD EPA ID: NMD002208627
CA Waste Code: 551 - Laboratory waste chemicals

LAUSD/ GARFIELD HS (Continued) **S113012708**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0525
Year:	2012
Gepaid:	CAD982024713
TSD EPA ID:	NMD002208627
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.418
Year:	2012
Gepaid:	CAD982024713
TSD EPA ID:	NMD002208627
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.026

Click this hyperlink while viewing on your computer to access
92 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	1998
Gen EPA ID:	CAD982024713
Shipment Date:	19980709
Creation Date:	9/15/1998 0:00:00
Receipt Date:	19980716
Manifest ID:	97328636
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980623
Creation Date:	9/3/1998 0:00:00
Receipt Date:	19980623
Manifest ID:	97329564
Trans EPA ID:	CAD982030173

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.085
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980514
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	97329205
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980514
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	97329205
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D035

LAUSD/ GARFIELD HS (Continued) **S113012708**

Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980514
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	97329205
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D007
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980514
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	97329205
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D009
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Shipment Date:	19980514
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	97329205
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980514
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	97329205
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980514
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980601
Manifest ID:	97329203
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980514
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980601
Manifest ID:	97329203
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD982024713

Shipment Date:	20050930
Creation Date:	3/12/2006 18:31:42
Receipt Date:	20051013
Manifest ID:	24481774
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MGMT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Meth Code:	H01 - Transfer Station
Quantity Tons:	1.251
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050930
Creation Date:	3/12/2006 18:31:42
Receipt Date:	20051013
Manifest ID:	24481774
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MGMT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050930
Creation Date:	3/12/2006 18:31:42
Receipt Date:	20051013
Manifest ID:	24481774
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MGMT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0425
Waste Quantity:	85
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Shipment Date:	20050930
Creation Date:	3/12/2006 18:31:42
Receipt Date:	20051013
Manifest ID:	24481774
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MGMT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0425
Waste Quantity:	85
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050722
Creation Date:	10/27/2005 10:10:50
Receipt Date:	20050803
Manifest ID:	24169051
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MGMT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	U122
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050607
Creation Date:	7/12/2006 18:30:09
Receipt Date:	20050705
Manifest ID:	24168914
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans Name:	GEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050607
Creation Date:	7/12/2006 18:30:09
Receipt Date:	20050705
Manifest ID:	24168914
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	F003
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050607
Creation Date:	7/12/2006 18:30:09
Receipt Date:	20050705
Manifest ID:	24168914
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050607
Creation Date:	7/12/2006 18:30:09
Receipt Date:	20050705
Manifest ID:	24168914
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980884183
Trans Name:	GEM
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050331
Creation Date:	6/2/2005 18:31:52
Receipt Date:	20050406
Manifest ID:	24221971
Trans EPA ID:	CAD073609893
Trans Name:	KARCHER ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	CAD009007626
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2.107
Waste Quantity:	2.5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAD982024713

LAUSD/ GARFIELD HS (Continued) **S113012708**

Shipment Date:	20060803
Creation Date:	9/28/2006 18:32:01
Receipt Date:	20060808
Manifest ID:	24937366
Trans EPA ID:	CAL000115612
Trans Name:	S R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	6.7424
Waste Quantity:	8
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060803
Creation Date:	9/28/2006 18:32:01
Receipt Date:	20060808
Manifest ID:	24937240
Trans EPA ID:	CAL000115612
Trans Name:	S R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	29.498
Waste Quantity:	35
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060731
Creation Date:	10/5/2006 18:30:55
Receipt Date:	20060804
Manifest ID:	24937370
Trans EPA ID:	CAL000115612
Trans Name:	S R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060726
Creation Date:	9/27/2006 18:33:49
Receipt Date:	20060803
Manifest ID:	24937369
Trans EPA ID:	CAL000115612
Trans Name:	S R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060725
Creation Date:	11/21/2006 18:30:04
Receipt Date:	20060808
Manifest ID:	24794895
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MGMT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM
TSDF Alt EPA ID:	CAD980884183
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060725
Creation Date:	11/21/2006 18:30:04
Receipt Date:	20060808
Manifest ID:	24794895
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MGMT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM
TSDF Alt EPA ID:	CAD980884183
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060725
Creation Date:	11/21/2006 18:30:04
Receipt Date:	20060808
Manifest ID:	24794895
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MGMT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM
TSDF Alt EPA ID:	CAD980884183
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060725
Creation Date:	11/21/2006 18:30:04
Receipt Date:	20060808

LAUSD/ GARFIELD HS (Continued) **S113012708**

Manifest ID:	24794895
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	GENERAL ENVIRONMENTAL MGMT
TSDF EPA ID:	CAD980884183
Trans Name:	GEM
TSDF Alt EPA ID:	CAD980884183
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060724
Creation Date:	9/17/2006 18:32:40
Receipt Date:	20060726
Manifest ID:	24937376
Trans EPA ID:	CAL000115612
Trans Name:	S R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060721
Creation Date:	9/17/2006 18:32:40
Receipt Date:	20060725
Manifest ID:	24937383
Trans EPA ID:	CAL000115612
Trans Name:	S R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD982024713
Shipment Date:	19930810
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930810
Manifest ID:	92274257
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	5.004
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930303
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930303
Manifest ID:	92797529
Trans EPA ID:	CAD108040858
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD108040858
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD108040858
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0291
Waste Quantity:	7

LAUSD/ GARFIELD HS (Continued) **S113012708**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD982024713
Shipment Date:	20041201
Creation Date:	3/13/2007 18:30:42
Receipt Date:	20041202
Manifest ID:	23814151
Trans EPA ID:	CAL000115612
Trans Name:	S & R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	DK ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041118
Creation Date:	1/20/2005 18:31:32
Receipt Date:	20041123
Manifest ID:	23005975
Trans EPA ID:	CAD983586744
Trans Name:	ENVIROCON INC
Trans 2 EPA ID:	CAL000115612
Trans 2 Name:	S & R SERVICES INC
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	3.7926
Waste Quantity:	4.5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Code 5:	Not reported
Shipment Date:	20041006
Creation Date:	12/21/2004 18:31:57
Receipt Date:	20041015
Manifest ID:	22764921
Trans EPA ID:	CAR000049064
Trans Name:	ECTI
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	7.07952
Waste Quantity:	8.4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041006
Creation Date:	12/21/2004 18:31:57
Receipt Date:	20041014
Manifest ID:	22916885
Trans EPA ID:	CAR000049064
Trans Name:	E C T I
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	CAD009007626
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	7.75376
Waste Quantity:	9.2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040909
Creation Date:	12/28/2004 14:46:39
Receipt Date:	20040910
Manifest ID:	23389102
Trans EPA ID:	CAL000276238
Trans Name:	AMERICAN TECHNOLOGIES INC
Trans 2 EPA ID:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	CAD009007626
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	37.926
Waste Quantity:	45
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040716
Creation Date:	11/1/2004 12:36:11
Receipt Date:	20040721
Manifest ID:	23625855
Trans EPA ID:	CAD073609893
Trans Name:	KARCHER ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	CAD009007626
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.6856
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040506
Creation Date:	10/15/2004 10:46:40
Receipt Date:	20040512
Manifest ID:	23386488
Trans EPA ID:	CAR000065599
Trans Name:	ENVIRONMENTAL MAAGEMENT TECHS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD088504881
Trans Name:	KINSBURSKY BROTHERS INC
TSDF Alt EPA ID:	CAD088504881
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.45

LAUSD/ GARFIELD HS (Continued) **S113012708**

Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAD982024713
Shipment Date:	20100910
Creation Date:	3/3/2011 18:30:09
Receipt Date:	20100914
Manifest ID:	006761971JJK
Trans EPA ID:	CAL000115612
Trans Name:	S & R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	2.4
Waste Quantity:	6
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100831
Creation Date:	3/3/2011 18:30:09
Receipt Date:	20100901
Manifest ID:	006761957JJK
Trans EPA ID:	CAL000115612
Trans Name:	S & R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.8
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100805
Creation Date:	1/26/2011 18:30:17
Receipt Date:	20100810
Manifest ID:	005712482JJK
Trans EPA ID:	CAL000115612
Trans Name:	S & R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100729
Creation Date:	2/8/2011 18:30:52
Receipt Date:	20100730
Manifest ID:	005712472JJK
Trans EPA ID:	CAL000115612
Trans Name:	S & R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.2
Waste Quantity:	38
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100706
Creation Date:	1/24/2011 18:30:30

LAUSD/ GARFIELD HS (Continued) **S113012708**

Receipt Date:	20100716
Manifest ID:	006836528JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100413
Creation Date:	8/3/2010 18:30:27
Receipt Date:	20100421
Manifest ID:	005728162JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100115
Creation Date:	4/12/2010 18:30:39
Receipt Date:	20100125
Manifest ID:	004307712JJK
Trans EPA ID:	CAR000152058
Trans Name:	EARTHWISE SERVICES LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.8
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD982024713
Shipment Date:	19941130
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941202
Manifest ID:	93387026
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	U122
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940811
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940811
Manifest ID:	93749302
Trans EPA ID:	CAD108040858
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD108040858
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD108040858
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste

LAUSD/ GARFIELD HS (Continued) **S113012708**

RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.1042
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940502
Creation Date:	10/10/1995 0:00:00
Receipt Date:	19940502
Manifest ID:	93385672
Trans EPA ID:	CAD000057760
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	D005
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940121
Creation Date:	9/14/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	90533165
Trans EPA ID:	CAD981423817
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.2642
Waste Quantity:	1.5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Code 5: Not reported

Additional Info:
Year: 2017
Gen EPA ID: CAD982024713

Shipment Date: 20170929
Creation Date: 10/16/2018 18:30:37
Receipt Date: 20171017
Manifest ID: 010441758FLE
Trans EPA ID: CAR000070540
Trans Name: ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENV SERVICES
TSDF EPA ID: TXD055141378
Trans Name: CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 1.35
Waste Quantity: 2700
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170929
Creation Date: 10/16/2018 18:30:37
Receipt Date: 20171017
Manifest ID: 010441758FLE
Trans EPA ID: CAR000070540
Trans Name: ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS ENV SERVICES
TSDF EPA ID: TXD055141378
Trans Name: CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons: 0.125
Waste Quantity: 250
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20170907
Creation Date: 10/6/2018 18:30:15
Receipt Date: 20170930

LAUSD/ GARFIELD HS (Continued) **S113012708**

Manifest ID:	010441569FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.30636
Waste Quantity:	278
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170907
Creation Date:	10/6/2018 18:30:15
Receipt Date:	20170930
Manifest ID:	010441569FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.621
Waste Quantity:	1242
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170907
Creation Date:	10/6/2018 18:30:15
Receipt Date:	20170930
Manifest ID:	010441569FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.2345
Waste Quantity:	469
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170818
Creation Date:	10/16/2018 18:30:37
Receipt Date:	20170911
Manifest ID:	010441444FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170818
Creation Date:	10/16/2018 18:30:37
Receipt Date:	20170911
Manifest ID:	010441444FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.06061
Waste Quantity:	55
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170818
Creation Date:	10/16/2018 18:30:37
Receipt Date:	20170911
Manifest ID:	010441444FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170818
Creation Date:	10/16/2018 18:30:37
Receipt Date:	20170911
Manifest ID:	010441444FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.076
Waste Quantity:	152
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170803
Creation Date:	9/28/2018 18:30:17
Receipt Date:	20170822
Manifest ID:	010395348FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDF EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD982024713
Shipment Date:	20030829
Creation Date:	7/13/2004 10:48:19
Receipt Date:	20030829
Manifest ID:	22736765
Trans EPA ID:	CAD983668583
Trans Name:	CONSOLIDATED WASTE IND
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	3.336
Waste Quantity:	800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030523
Creation Date:	6/23/2004 9:59:25
Receipt Date:	20030523
Manifest ID:	22483650
Trans EPA ID:	CAL000827758
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000827758
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.8816
Waste Quantity:	800
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030326
Creation Date:	7/13/2003 18:31:11
Receipt Date:	20030402
Manifest ID:	22475464
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD982024713
Shipment Date:	20020828
Creation Date:	2/11/2003 18:31:24
Receipt Date:	20020905
Manifest ID:	21991855
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.15

LAUSD/ GARFIELD HS (Continued) **S113012708**

Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020827
Creation Date:	1/28/2003 18:31:46
Receipt Date:	20020827
Manifest ID:	21991849
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.102
Waste Quantity:	290
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD982024713
Shipment Date:	20000626
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	99541108
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000626
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	99541108
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000626
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	99541108
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.11
Waste Quantity:	220
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000626
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	99541108
Trans EPA ID:	CAD982030173
Trans Name:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.099
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000626
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000710
Manifest ID:	99541108
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000626
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000710
Manifest ID:	99541108
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	T03 - Treatment, Incineration

LAUSD/ GARFIELD HS (Continued) **S113012708**

Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000626
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000710
Manifest ID:	99541108
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.55
Waste Quantity:	1100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000626
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000710
Manifest ID:	99541108
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0
Waste Quantity:	280
Quantity Unit:	*
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Shipment Date:	20000626
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	99541108
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAD982024713

Shipment Date:	20090522
Creation Date:	8/17/2009 18:30:40
Receipt Date:	20090529
Manifest ID:	005712027JJK
Trans EPA ID:	CAL000115612
Trans Name:	S & R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.6
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090302
Creation Date:	4/15/2009 18:30:09
Receipt Date:	20090311
Manifest ID:	005356281JJK

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.306
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090302
Creation Date:	4/15/2009 18:30:09
Receipt Date:	20090311
Manifest ID:	005356281JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090302
Creation Date:	4/15/2009 18:30:09
Receipt Date:	20090311
Manifest ID:	005356281JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap

LAUSD/ GARFIELD HS (Continued) **S113012708**

RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090217
Creation Date:	4/8/2009 18:31:28
Receipt Date:	20090225
Manifest ID:	005356202JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD982024713
Shipment Date:	20011002
Creation Date:	12/17/2001 0:00:00
Receipt Date:	20011005
Manifest ID:	21480682
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.075
Waste Quantity:	150

LAUSD/ GARFIELD HS (Continued) **S113012708**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010614
Creation Date:	8/29/2001 0:00:00
Receipt Date:	20010615
Manifest ID:	20427974
Trans EPA ID:	CAR000016436
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000005454
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.7714
Waste Quantity:	700
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010611
Creation Date:	8/29/2001 0:00:00
Receipt Date:	20010627
Manifest ID:	20977895
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010611
Creation Date:	8/29/2001 0:00:00

LAUSD/ GARFIELD HS (Continued) **S113012708**

Receipt Date:	20010627
Manifest ID:	20977895
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010508
Creation Date:	7/20/2001 0:00:00
Receipt Date:	20010605
Manifest ID:	20971558
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010412
Creation Date:	6/20/2001 0:00:00
Receipt Date:	20010420
Manifest ID:	20427896
Trans EPA ID:	CAR000016436
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000005454
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.2133
Waste Quantity:	1101
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010129
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010129
Manifest ID:	20121014
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.28
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD982024713
Shipment Date:	19961125
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961125
Manifest ID:	90537196
Trans EPA ID:	CAD000048934
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC951206114
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	28.6552

LAUSD/ GARFIELD HS (Continued) **S113012708**

Waste Quantity:	34
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961125
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961125
Manifest ID:	90537195
Trans EPA ID:	CAD000048934
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC951206114
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	29.498
Waste Quantity:	35
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961112
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961113
Manifest ID:	90537193
Trans EPA ID:	CAD000048934
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC951206114
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	25.284
Waste Quantity:	30
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961112

LAUSD/ GARFIELD HS (Continued) **S113012708**

Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961113
Manifest ID:	90537194
Trans EPA ID:	CAD000048934
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC951206114
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	25.284
Waste Quantity:	30
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19961106
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961107
Manifest ID:	90537189
Trans EPA ID:	CAD000048934
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC951206114
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19961106
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961107
Manifest ID:	90537190
Trans EPA ID:	CAD000048934
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC951206114
Trans Name:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961101
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961101
Manifest ID:	90537187
Trans EPA ID:	CAD000048934
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC951206114
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961101
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961101
Manifest ID:	90537191
Trans EPA ID:	CAD000048934
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC951206114
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	32.0264
Waste Quantity:	38
Quantity Unit:	Y
Additional Code 1:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960816
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960816
Manifest ID:	96122217
Trans EPA ID:	CAD108040858
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD108040858
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0625
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD982024713
Shipment Date:	19951116
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951116
Manifest ID:	95930877
Trans EPA ID:	CAD108040858
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD108040858
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0875
Waste Quantity:	21
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Info:

Year:	2008
Gen EPA ID:	CAD982024713
Shipment Date:	20081205
Creation Date:	2/4/2009 18:30:27
Receipt Date:	20081210
Manifest ID:	005361497JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081014
Creation Date:	11/17/2008 18:30:32
Receipt Date:	20081014
Manifest ID:	003979237JJK
Trans EPA ID:	CAR000157859
Trans Name:	SKY BLUE ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013

LAUSD/ GARFIELD HS (Continued) **S113012708**

Gen EPA ID:	CAD982024713
Shipment Date:	20130718
Creation Date:	11/29/2013 22:15:05
Receipt Date:	20130725
Manifest ID:	006033556FLE
Trans EPA ID:	CAR000224428
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130718
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006033556FLE
Trans EPA ID:	CAR000224428
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.247
Waste Quantity:	65
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130718
Creation Date:	11/29/2013 22:15:05
Receipt Date:	20130725
Manifest ID:	006033556FLE
Trans EPA ID:	CAR000224428

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0305
Waste Quantity:	61
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130718
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006033556FLE
Trans EPA ID:	CAR000224428
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	D005
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130718
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006033556FLE
Trans EPA ID:	CAR000224428
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.011
Waste Quantity:	22
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130718
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006033556FLE
Trans EPA ID:	CAR000224428
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130718
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006033556FLE
Trans EPA ID:	CAR000224428
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130718
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006033556FLE
Trans EPA ID:	CAR000224428
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130718
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006033556FLE
Trans EPA ID:	CAR000224428
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130718

LAUSD/ GARFIELD HS (Continued) **S113012708**

Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006033556FLE
Trans EPA ID:	CAR000224428
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NMD002208627
Trans Name:	ADVANCED CHEMICAL TREATMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD982024713
Shipment Date:	20121127
Creation Date:	2/18/2013 22:15:20
Receipt Date:	20121204
Manifest ID:	009980752JJK
Trans EPA ID:	CAR000152058
Trans Name:	EARTHWISE SERVICES LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120801
Creation Date:	10/10/2012 22:15:20
Receipt Date:	20120809
Manifest ID:	004642979FLE

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans EPA ID:	CAT080016116
Trans Name:	NIETO AND SONS TRUCKING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.19
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120716
Creation Date:	10/20/2012 22:15:09
Receipt Date:	20120725
Manifest ID:	010496213JJK
Trans EPA ID:	CAR000181891
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120712
Creation Date:	10/20/2012 22:15:09
Receipt Date:	20120716
Manifest ID:	002144879FLE
Trans EPA ID:	CAT080016116
Trans Name:	NIETO AND SONS TRUCKING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.5004
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120314
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008626554JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120314
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008626554JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5

LAUSD/ GARFIELD HS (Continued) **S113012708**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120314
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008626554JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120314
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008626554JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Shipment Date:	20120314
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008626554JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D005
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120314
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008626554JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD982024713

Shipment Date:	19991201
Creation Date:	2/1/2000 0:00:00
Receipt Date:	19991201

LAUSD/ GARFIELD HS (Continued) **S113012708**

Manifest ID:	99540600
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.072
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991007
Creation Date:	11/19/1999 0:00:00
Receipt Date:	19991008
Manifest ID:	96020000
Trans EPA ID:	CAD052606324
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2.5284
Waste Quantity:	3
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991007
Creation Date:	12/16/1999 0:00:00
Receipt Date:	19991008
Manifest ID:	96020151
Trans EPA ID:	CAD052606324
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990529
Creation Date:	7/19/1999 0:00:00
Receipt Date:	19990607
Manifest ID:	96015529
Trans EPA ID:	CAD073609893
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000017657
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.6856
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990416
Creation Date:	5/20/1999 0:00:00
Receipt Date:	19990416
Manifest ID:	98473692
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	2.919
Waste Quantity:	700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990106
Creation Date:	3/1/1999 0:00:00
Receipt Date:	19990108
Manifest ID:	96284569
Trans EPA ID:	CAL000115612
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.2528
Waste Quantity:	0.3
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD982024713
Shipment Date:	20071022
Creation Date:	1/8/2008 18:31:12
Receipt Date:	20071022
Manifest ID:	002141770JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.668
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071002

LAUSD/ GARFIELD HS (Continued) **S113012708**

Creation Date:	1/9/2008 18:30:28
Receipt Date:	20071010
Manifest ID:	002378147JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.418
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070228
Creation Date:	8/18/2007 18:30:05
Receipt Date:	20070309
Manifest ID:	002129133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D005
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070228
Creation Date:	8/18/2007 18:30:05
Receipt Date:	20070309
Manifest ID:	002129133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D011
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	D008
Additional Code 2:	D007
Additional Code 3:	D005
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20070228
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002129133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070228
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002129133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

LAUSD/ GARFIELD HS (Continued) **S113012708**

Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070228
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002129133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070228
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002129133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Code 5:	Not reported
Shipment Date:	20070228
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002129133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070228
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002129133JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D005
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD982024713
Shipment Date:	19970427

LAUSD/ GARFIELD HS (Continued) **S113012708**

Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970429
Manifest ID:	95989489
Trans EPA ID:	CAD052606324
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000017657
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000027741
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970321
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970331
Manifest ID:	95989471
Trans EPA ID:	CAD052606324
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000017657
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000027741
Trans Name:	Not reported
TSDF Alt EPA ID:	CAL000027741
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	13.4848
Waste Quantity:	16
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD982024713

Shipment Date:	20150713
Creation Date:	9/23/2015 22:15:22
Receipt Date:	20150713
Manifest ID:	012242727JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC

LAUSD/ GARFIELD HS (Continued) **S113012708**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.668
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150610
Creation Date:	8/31/2015 22:15:34
Receipt Date:	20150610
Manifest ID:	002670694GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.042
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150610
Creation Date:	8/31/2015 22:15:24
Receipt Date:	20150611
Manifest ID:	002670677GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil

LAUSD/ GARFIELD HS (Continued) **S113012708**

RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.247
Waste Quantity:	65
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150504
Creation Date:	1/20/2016 22:15:20
Receipt Date:	20150609
Manifest ID:	008258288FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.425
Waste Quantity:	850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150504
Creation Date:	1/20/2016 22:15:20
Receipt Date:	20150609
Manifest ID:	008258288FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LAUSD/ GARFIELD HS (Continued) **S113012708**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150504
Creation Date:	1/20/2016 22:15:20
Receipt Date:	20150609
Manifest ID:	008258288FLE
Trans EPA ID:	CAR000070540
Trans Name:	ADVANCED CHEMICAL TRANSPORT INC (SV)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	TXD055141378
Trans Name:	CLEAN HARBORS DEER PARK LP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.14877
Waste Quantity:	135
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	LAUSD/ GARFIELD HS
Address:	5101 E 6TH ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900220000
EPA ID:	CAD982024713
Inactive Date:	Not reported
Create Date:	06/17/1988
Last Act Date:	08/27/2020
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE FL 21
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900170000
Owner Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Owner Address:	333 S BEAUDRY AVE FL 21
Owner Address 2:	LAUSD OEHS
Owner City,State,Zip:	LOS ANGELES, CA 900170000
Contact Name:	SAMANTHA HAN
Contact Address:	333 S. BEAUDRY AVE, 21ST FLOOR
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90017

NAICS:

EPA ID:	CAD982024713
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	61111
NAICS Description:	Elementary and Secondary Schools
Issued EPA ID Date:	1988-06-17 00:00:00
Inactive Date:	Not reported
Facility Name:	LAUSD/ GARFIELD HS

LAUSD/ GARFIELD HS (Continued) **S113012708**

Facility Address:	5101 E 6TH ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900220000

A5 **GARFIELD HIGH SCHOOL AUDITORIUM** **NPDES S111459605**
Target **5101 EAST SIXTH STREET** **CIWQS N/A**
Property **LOS ANGELES, CA 90022**

Site 5 of 8 in cluster A

Actual:
218 ft.

NPDES:

Name:	GARFIELD HIGH SCHOOL AUDITORIUM
Address:	5101 EAST SIXTH STREET
City,State,Zip:	LOS ANGELES, CA 90022
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	Not reported
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Returned
Status Date:	05/12/2012
Operator Name:	Los Angeles Unified School District
Operator Address:	333 S Beaudry Ave
Operator City:	Los Angeles
Operator State:	California
Operator Zip:	90017

CIWQS:

Name:	GARFIELD HIGH SCHOOL AUDITORIUM
Address:	5101 E SIXTH ST
City,State,Zip:	LOS ANGELES, CA 90022
Agency:	Los Angeles Unified School District
Agency Address:	333 So. Beaudry St, Los Angeles, CA 90017
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction

GARFIELD HIGH SCHOOL AUDITORIUM (Continued) **S111459605**

Order Number:	2009-0009-DWQ
WDID:	4 19C363024
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	02/16/2012
Termination Date:	04/11/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.02581
Longitude:	-118.157722

A6 **JAMES A. GARFIELD HI SCH** **EMI** **S106833371**
Target **5101 E. 6TH ST.** **N/A**
Property **EAST LOS ANGELES, CA 90023**

Site 6 of 8 in cluster A

Actual: **218 ft.**

EMI:

Name:	JAMES A. GARFIELD HI SCH
Address:	5101 E. 6TH ST.
City,State,Zip:	EAST LOS ANGELES, CA 90023
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	11612
Air District Name:	SC
SIC Code:	8221
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

A7 **LAUSD GARFIELD HIGH SCHOOL** **ECHO** **1025891103**
Target **5101 E 6TH ST** **N/A**
Property **LOS ANGELES, CA 90022**

Site 7 of 8 in cluster A

Actual: **218 ft.**

ECHO:

Envid:	1025891103
Registry ID:	110002780330
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002780330
Name:	LAUSD GARFIELD HIGH SCHOOL
Address:	5101 E 6TH ST
City,State,Zip:	LOS ANGELES, CA 90022

A8 **LAUSD GARFIELD HIGH SCHOOL** **RCRA-SQG** **1000378513**
Target **5101 E 6TH ST** **FINDS** **CAD982024713**
Property **LOS ANGELES, CA 90022**

Site 8 of 8 in cluster A

Actual:
218 ft.

RCRA-SQG:

Date Form Received by Agency:	19870820
Handler Name:	LAUSD GARFIELD HIGH SCHOOL
Handler Address:	5101 E 6TH ST
Handler City,State,Zip:	LOS ANGELES, CA 90022
EPA ID:	CAD982024713
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	5101 E SIXTH ST
Contact City,State,Zip:	LOS ANGELES, CA 90022
Contact Telephone:	213-742-7371
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	3
Mailing Address:	1425 S SAN PEDRO ST RM 215
Mailing City,State,Zip:	LOS ANGELES, CA 90015
Owner Name:	LAUSD
Owner Type:	Municipal
Operator Name:	NOT REQUIRED
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

LAUSD GARFIELD HIGH SCHOOL (Continued) **1000378513**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LAUSD
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

LAUSD GARFIELD HIGH SCHOOL (Continued) **1000378513**

Historic Generators:
Receive Date: 19870820
Handler Name: LAUSD GARFIELD HIGH SCHOOL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 61111
NAICS Description: ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002780330

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Areas of Concern
WSW
1/4-1/2
2501 ft.

FORMER EXIDE FACILITY **AOCONCERN** **CCEX000001**
N/A

VERNON, CA

AOC:
Description: Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC.

9 **MONTEREY CONTINUATION HIGH SCHOOL** **RCRA-LQG** **1011861625**
466 S FRASER AVE **CAR000195784**
< 1/8 **LOS ANGELES, CA 90022**
1 ft.

Relative: Higher

Actual: 227 ft.

RCRA-LQG:

Date Form Received by Agency:	20081010
Handler Name:	MONTEREY CONTINUATION HIGH SCHOOL
Handler Address:	466 S FRASER AVE
Handler City,State,Zip:	LOS ANGELES, CA 90022
EPA ID:	CAR000195784
Contact Name:	SOE AUNG
Contact Address:	333 S BEAUDRY AVE
Contact City,State,Zip:	LOS ANGELES, CA 90017
Contact Telephone:	213-241-3904
Contact Fax:	Not reported
Contact Email:	SOE.AUNG@LAUSD.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	District
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	333 S BEAUDRY AVE
Mailing City,State,Zip:	LOS ANGELES, CA 90017
Owner Name:	LOS ANGELES UNIFIED SCHOOL DIST
Owner Type:	District
Operator Name:	MONTEREY CONTINUATION HIGH SCHOOL
Operator Type:	District
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported

MONTEREY CONTINUATION HIGH SCHOOL (Continued) **1011861625**

Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20081014
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LOS ANGELES UNIFIED SCHOOL DIST
Legal Status:	District
Date Became Current:	19891114
Date Ended Current:	Not reported
Owner/Operator Address:	333 S BEAUDRY AVE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90017
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MONTEREY CONTINUATION HIGH SCHOOL
Legal Status:	District
Date Became Current:	19891114
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

MONTEREY CONTINUATION HIGH SCHOOL (Continued) **1011861625**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20081010
Handler Name: MONTEREY CONTINUATION HIGH SCHOOL
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 61111
NAICS Description: ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

10
SSE
< 1/8
0.047 mi.
250 ft.

4TH STREET NEW PRIMARY CENTER **ENVIROSTOR** **S118756551**
ATLANTIC BOULEVARD/HASTING STREET **SCH** **N/A**
LOS ANGELES, CA 90022

Relative:
Lower

Actual:
209 ft.

ENVIROSTOR:
Name: 4TH STREET NEW PRIMARY CENTER
Address: ATLANTIC BOULEVARD/HASTING STREET
City,State,Zip: LOS ANGELES, CA 90022
Facility ID: 19790004
Status: No Action Required
Status Date: 05/14/2001
Site Code: 304279
Site Type: School Investigation
Site Type Detailed: School
Acres: 1.83
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 51
Senate: 24
Special Program: Not reported
Restricted Use: NO

4TH STREET NEW PRIMARY CENTER (Continued) **S118756551**

Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.0246
Longitude: -118.1574
APN: NONE SPECIFIED
Past Use: RECREATION SERVICES
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: 4TH STREET NEW PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: LAUSD-4TH STREET PRIMARY CENTER
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304279
Alias Type: Project Code (Site Code)
Alias Name: 19790004
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 05/14/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/23/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/10/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

4TH STREET NEW PRIMARY CENTER (Continued) **S118756551**

Name:	4TH STREET NEW PRIMARY CENTER
Address:	ATLANTIC BOULEVARD/HASTING STREET
City,State,Zip:	LOS ANGELES, CA 90022
Facility ID:	19790004
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.83
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304279
Assembly:	51
Senate:	24
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	05/14/2001
Restricted Use:	NO
Funding:	School District
Latitude:	34.0246
Longitude:	-118.1574
APN:	NONE SPECIFIED
Past Use:	RECREATION SERVICES
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	4TH STREET NEW PRIMARY CENTER
Alias Type:	Alternate Name
Alias Name:	LAUSD-4TH STREET PRIMARY CENTER
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	304279
Alias Type:	Project Code (Site Code)
Alias Name:	19790004
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	05/14/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	01/23/2002

4TH STREET NEW PRIMARY CENTER (Continued) **S118756551**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 05/10/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

B11 **ALL STAR CAR AND TRUCK SALES** **CERS HAZ WASTE** **S120729730**
ESE **525 S ATLANTIC BLVD** **LOS ANGELES CO. HMS** **N/A**
< 1/8 **LOS ANGELES, CA 90022** **CERS**
0.048 mi.
252 ft. **Site 1 of 4 in cluster B**

Relative:
Lower

Actual:
215 ft.

CERS HAZ WASTE:
Name: ALL STAR CAR AND TRUCK SALES
Address: 525 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 4360
CERS ID: 10273615
CERS Description: Hazardous Waste Generator

LOS ANGELES CO. HMS:
Name: ALL STAR CAR AND TRUCK SALES
Address: 525 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 900222621
Region: LA
Permit Category: Not reported
Facility Id: 030642-063030
Facility Type: Not reported
Facility Status: OPEN
Area: 39
Permit Number: Not reported
Permit Status: Not reported

CERS:
Name: ALL STAR CAR AND TRUCK SALES
Address: 525 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 4360
CERS ID: 10273615
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 4360
Site Name: All Star Car and Truck Sales
Violation Date: 12-20-2013

ALL STAR CAR AND TRUCK SALES (Continued) **S120729730**

Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 05/14/2014. OBSERVATION: Disposal documents not available for review. CORRECTIVE ACTION: Provide a manifest for the disposal of waste oil.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	01-14-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/14/2020. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Your hazardous materials inventory was not accepted in CERS based on failure to check the applicable new Federal Hazard Categories (24) on your reported chemical(s). Please review the Warning Signs, and or Required Fields, update as necessary, and resubmit. For assistance, please click the link https://www.fire.lacounty.gov/wp-content/uploads/2018/05/New-Fed-Catagories-eff-Dec-28-2017-update-2.pdf .Any other questions contact the Data Operations Unit at 323-890-4000 CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	12-20-2013
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 05/14/2014. OBSERVATION: Containers of waste oil without a cover/ring. CORRECTIVE ACTION: Provide a tightly sealed cover/cap for hazardous waste containers. Waste containers must be closed at all times except when adding or removing waste.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	10-31-2017
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12

ALL STAR CAR AND TRUCK SALES (Continued) **S120729730**

Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 12/13/2017. OBSERVATION: The generator has not obtained an active EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	10-31-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 12/13/2017. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including:, evacuation staging area, CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	01-14-2020
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/22/2020. OBSERVATION: 55 gal drums of used oil located in the service bay was observed without a hazardous waste label. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	12-20-2013
Citation:	22 CCR 23 66273.40(a)(3) - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.40(a)(3)
Violation Description:	Failure of the universal waste handler who sends electronic devices, CRTs, and/or CRT glass to any foreign destination to complete the following: (1) Notify the Department 60 days prior to the intended export before any electronic devices, CRTs, and/or CRT glass are

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scheduled to leave the United States and cover all export activities extending over the next twelve (12) month or lesser period; (2) Concurrently send a copy of the notification required pursuant to subsection of this section, to the CUPA having jurisdiction over the universal waste handlerG s facility.

Violation Notes: Returned to compliance on 05/14/2014. OBSERVATION: Disposal documents not available for review. CORRECTIVE ACTION: Provide a manifest for the disposal of waste oil.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 4360
Site Name: All Star Car and Truck Sales
Violation Date: 12-20-2013
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Training - General
Violation Notes: Returned to compliance on 02/14/2014. OBSERVATION: Reviewed HWTS website and observed that the EPA ID # was inactive. CORRECTIVE ACTION: Reactivate the EPA ID number for the business.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 4360
Site Name: All Star Car and Truck Sales
Violation Date: 12-20-2013
Citation: 22 CCR 15 66265.192(k) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(k)
Violation Description: Failure of the new hazardous waste tank assessment to include all of the following information: 1) Tank configuration (i.e., horizontal, vertical), material of construction, and gross capacity (in gallons); 2) Design standard(s), if available, according to which the tank and ancillary equipment were or will be constructed and all of the following information: A) Material of construction; B) material thickness and the method used to determine the thickness; C) description of tank system piping (material, diameter); D) description of any internal and external pumps; and E) sketch or drawing of tank including dimensions. 3) Documented age of the tank system (if tank was previously used), if available, (otherwise, an estimate of the age); 4) Description and evaluation of any leak detection equipment; 5) Description and evaluation of any corrosion protection equipment, devices, or material; 6) Description and evaluation of any spill prevention or overfill equipment; 7) Description and evaluation of secondary containment for the tank system (secondary containment must meet minimum standards as specified in subsections (j)(1) through (j)(3) of this section) including applicable secondary containment for ancillary equipment as required in subsection 66265.193(f); 8) Hazardous characteristics of the waste(s) that have been or will be handled; 9) Prior to placing a new tank system or component in use, an independent, qualified installation inspector or an independent, qualified, professional engineer, registered in California, either of whom is trained and experienced in the proper installation of tank systems, shall inspect the system or component for the presence of any of the following items and document in writing the results of the inspection: A) Weld cracks or breaks; B) scrapes of protective

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coatings; C) corrosion; D) any structural damage or inadequate construction or installation such as cracks, punctures, damaged fittings. All discrepancies shall be documented in the assessment and remedied before the tank syste

Violation Notes: Returned to compliance on 05/14/2014. OBSERVATION: container of waste oil without a cover/ring. CORRECTIVE ACTION: Provide a tightly sealed cover/cap for hazardous waste containers. Waste containers must be closed at all times except when adding or removing waste.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 4360
Site Name: All Star Car and Truck Sales
Violation Date: 12-20-2013
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 02/14/2014. OBSERVATION: Reviewed HWTS website and observed that the EPA ID # was inactive. CORRECTIVE ACTION: Reactivate the EPA ID number for the business.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 4360
Site Name: All Star Car and Truck Sales
Violation Date: 10-31-2017
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes: Returned to compliance on 12/13/2017. OBSERVATION: The business failed to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page. CORRECTIVE ACTION: Complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 4360
Site Name: All Star Car and Truck Sales
Violation Date: 10-31-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 12/13/2017. OBSERVATION: The business failed to electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date. CORRECTIVE ACTION: Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA on or before the annual due date.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP

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Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	12-20-2013
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 06/20/2014. OBSERVATION: Upon review of the CERS online submittals, no submittals observed from this facility. CORRECTIVE ACTION: Complete CERS Online Business Plan and submit. Include: Business Activities, Business Owner/Operator ID, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan, and Employee Training Plan.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	10-31-2017
Citation:	22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20
Violation Description:	Failure to prepare a Uniform Hazardous Waste Manifest and, if necessary, a Continuation Sheet, before the transport of a hazardous waste off-site for transfer, treatment, storage, or disposal.
Violation Notes:	Returned to compliance on 12/13/2017. OBSERVATION: Used oil, oil filters, was transported and a Uniform Hazardous Waste Manifest was not prepared. CORRECTIVE ACTION: Provide a copy of a prepared manifest to the CUPA or complete an unmanifest load report to the DTSC and submit copy to the CUPA.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	12-20-2013
Citation:	HSC 6.5 25250.7 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.7
Violation Description:	Failure to handle contaminated used oil (other than minimal amounts of vehicle fuel) as a hazardous waste.
Violation Notes:	Returned to compliance on 05/14/2014. OBSERVATION: Shop towel cleaning service documents not available for review. CORRECTIVE ACTION: Provide a cleaning service receipt for used/soiled shop towels.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	05-14-2014
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials

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	Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 06/20/2014. OBSERVATION: Reviewed CERS submittal prior to the inspection. The following deficiencies were observed on CERS: Helium was in inventory but was not seen on site. Site map was missing key items. CORRECTIVE ACTION: Correct deficiencies on CERS Online Business Plan and resubmit. Business ID - provide correct phone number; Hazardous materials inventory G remove helium from inventory; Site Map G clarify building on map
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	09-30-2014
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 01/30/2015. OBSERVATION: This facility does not have a valid EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. CORRECTIVE ACTION: Immediately obtain an EPA ID number through DTSC to manage hazardous waste and submit evidence to the CUPA by October 30, 2014.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	10-31-2017
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 12/13/2017. OBSERVATION: The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material; or failed to document and maintains training records for a minimum of three years. CORRECTIVE ACTION: Establish and electronically submit an employee training program containing provisions for training applicable staff in release reporting procedures. Submit documentation to the unified program agency demonstrating appropriate personnel have received initial training and maintain ongoing annual training records for a minimum of three years.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	09-30-2014
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95,

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	Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/14/2014. OBSERVATION: The owner/operator failed to electronically submit its hazardous materials business plan to the statewide information management system, CERS (California Environmental Reporting System). HSC 25508(a)(1) CORRECTIVE ACTION: Go online to CERS website (http://cers.calepa.ca.gov/) and establish an account. After an account is created, complete CERS Online Business Plan and submit by 10/30/14. Include: Business Activities, Business Owner/Operator ID, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan, and Employee Training Plan.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	12-20-2013
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 05/14/2014. OBSERVATION: Shop towel cleaning service documents not available for review. CORRECTIVE ACTION: Provide a cleaning service receipt for used/soiled shop towels.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	01-14-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 01/22/2020. OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Your Emergency Response Plan is not accepted in CERS for the following reason: You are required to enter the phone number for the Local Unified Program Agency (UPA/CUPA) The number you need to list is 323-890-4317. Please correct and resubmit in CERS If you have any questions contact the Data Operations Unit at 323-890-4000 CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	09-30-2014
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,

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	Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 04/23/2015. OBSERVATION: The Owner/Operator failed to obtain or no longer has an active hazardous waste generator permit. CORRECTIVE ACTION: The Owner/Operator shall immediately apply to receive a new or renewed hazardous waste generator permit and maintain that permit as active as long as the facility is in operation and continues to generate hazardous waste. Provide a current Los Angeles County Fire Department Certified Unified Program Agency (CUPA) Permit. LA Co. Ord 12.50.075. No person shall operate or maintain a new or existing Unified Program facility without having obtained an annually renewable Unified Program facility permit. The Owner/Operator shall immediately apply to receive a new or renewed hazardous waste generator permit and maintain that permit as active as long as the facility is in operation and continues to generate hazardous waste. For more information, contact Los Angeles County Fire Department Certified Unified Program Agency (CUPA) at 323-838-2345
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	12-20-2013
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 06/20/2014. OBSERVATION: Upon review of the CERS online submittals, no submittals observed from this facility. CORRECTIVE ACTION: Complete CERS Online Business Plan and submit. Include: Business Activities, Business Owner/Operator ID, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan, and Employee Training Plan.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	10-31-2017
Citation:	Un-Specified
Violation Description:	Business Plan Program - Administration/Documentation - General Local Ordinance
Violation Notes:	Returned to compliance on 12/13/2017. OBSERVATION: Owner/Operator failed to obtain or maintain an active permit. Delinquent account CORRECTIVE ACTION: Every business or business concern within the jurisdiction of the LACoCUPA and subject to one or more of the program elements shall be required to apply for, pay the permit fees, and obtain from the LACoCUPA a unified program facility permit for the program elements applicable to such facility prior to the commencement of any business or activity related to any of the program elements. The permit required under this section shall be posted and conspicuously displayed at the location falling under the requirements of this chapter. Every person, business, or business concern within the jurisdiction of the LACoCUPA and subject to the requirements of

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	one or more of the program elements shall be required to pay the applicable annual fees and any applicable late payment penalty and apply for and obtain from the LACoCUPA a unified program facility permit for the [Truncated]
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	01-14-2020
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 01/22/2020. OBSERVATION: red 55 gal drum of used oil located in the service bay was observed open. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the container listed above has been properly closed.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	12-20-2013
Citation:	22 CCR 23 66273.40(a)(3) - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.40(a)(3)
Violation Description:	Failure of the universal waste handler who sends electronic devices, CRTs, and/or CRT glass to any foreign destination to complete the following: (1) Notify the Department 60 days prior to the intended export before any electronic devices, CRTs, and/or CRT glass are scheduled to leave the United States and cover all export activities extending over the next twelve (12) month or lesser period; (2) Concurrently send a copy of the notification required pursuant to subsection of this section, to the CUPA having jurisdiction over the universal waste handlerG s facility.
Violation Notes:	Returned to compliance on 05/14/2014. OBSERVATION: Disposal documents not available for review. CORRECTIVE ACTION: Provide a receipt for the exchange/disposal of used batteries
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	4360
Site Name:	All Star Car and Truck Sales
Violation Date:	12-20-2013
Citation:	22 CCR 16 66266.81(a)(4)(B) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(a)(4)(B)
Violation Description:	Failure to retain disposal records of spent lead batteries for three years.
Violation Notes:	Returned to compliance on 05/14/2014. OBSERVATION: Disposal documents not available for review. CORRECTIVE ACTION: Provide a receipt for the

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exchange/disposal of used batteries
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Hector Martinez - Shop
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Leo Ortega
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Sam Goncuoglu, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-13-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Leo Magana, manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Hector Martinez - Shop
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-14-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department

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Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-20-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspected by: D. Aoki Consent by: Leo Ortega
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-30-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Leo Ortega
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-20-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-20-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-14-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	06-20-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	cers
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

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Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Sam Goncuoglu, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	12-13-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Leo Magana, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	4360
Facility Name:	All Star Car and Truck Sales
Env Int Type Code:	HWG
Program ID:	10273615
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	34.026450
Longitude:	-118.155820

Affiliation:

Affiliation Type Desc:	Parent Corporation
Entity Name:	Daytona Cars
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	LEOPOLDO MAGANA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	LEOPOLDO MAGANA
Entity Title:	SALES MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

ALL STAR CAR AND TRUCK SALES (Continued) **S120729730**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	JOHN GONCUIAN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(818) 744-5536
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	525 S ATLANTIC BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	ELI AUTO SALES INC.
Entity Title:	Not reported
Affiliation Address:	525 S ATLANTIC BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90022
Affiliation Phone:	(818) 744-5536
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Environmental Contact
Entity Name:	JOHN GONCUIAN
Entity Title:	Not reported
Affiliation Address:	525 S ATLANTIC BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	Not reported

B12 **BABES GILMORE SERVICE** **EDR Hist Auto** **1009082315**
East **501 ATLANTIC BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.048 mi.
254 ft. **Site 2 of 4 in cluster B**

Relative: EDR Hist Auto
Lower

Actual:
217 ft.

Year:	Name:	Type:
1942	BABES GILMORE SERVICE	GASOLINE AND OIL SERVICE STATIONS
1971	URICH-NELSON MOTOR CO *	New And Used Car Dealers
1987	ARMEX MOTORS USA	Used Car Dealers
1988	ARMEX MOTORS USA	Used Car Dealers

B13 **ARMEX MOTORS USA** **SWEEPS UST** **S106922852**
East **501 S ATLANTIC BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90022**
0.048 mi.
254 ft. **Site 3 of 4 in cluster B**

Relative: SWEEPS UST:
Lower

Actual:
217 ft.

Name:	ARMEX MOTORS USA
Address:	501 S ATLANTIC BLVD
City:	LOS ANGELES
Status:	Not reported
Comp Number:	1490
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-001490-000001
Tank Status:	Not reported
Capacity:	280
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

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14 **ALCANTARS DRIVETRAIN PRFMCE** **EDR Hist Auto** **1021014299**
ENE **465 S ATLANTIC BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90022**
0.049 mi.
261 ft.

Relative: EDR Hist Auto
Higher

Actual:
221 ft.

Year:	Name:	Type:
2011	ALCANTARS DRIVETRAIN PRFMCE	Automotive Transmission Repair Shops
2012	ALCANTARS DRIVETRAIN PRFMCE	Automotive Transmission Repair Shops
2013	ALCANTARS DRIVETRAIN PRFMCE	Automotive Transmission Repair Shops
2014	ALCANTARS DRIVETRAIN PRFMCE	Automotive Transmission Repair Shops

C15 **TROPICANA CAR SALES** **CERS HAZ WASTE** **S124864293**
SE **575 S ATLANTIC BLVD** **CERS** **N/A**
< 1/8 **LOS ANGELES, CA 90022** **HWTS**
0.053 mi.
281 ft. **Site 1 of 10 in cluster C**

Relative:
Lower

Actual:
212 ft.

CERS HAZ WASTE:
Name: J AND C TRANSMISSION AUTO REPAIR
Address: 575 S ATLANTIC BLVD # C
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 20422
CERS ID: 10274728
CERS Description: Hazardous Waste Generator

CERS:
Name: J AND C TRANSMISSION AUTO REPAIR
Address: 575 S ATLANTIC BLVD # C
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 20422
CERS ID: 10274728
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 20422
Site Name: J AND C TRANSMISSION AUTO REPAIR
Violation Date: 07-02-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 12/17/2018. OBSERVATION: Observed 1 x 55 gal. used oil drum containing used oil without proper hazardous waste label. All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 20422
Site Name: J AND C TRANSMISSION AUTO REPAIR
Violation Date: 07-02-2015
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 12/17/2018. OBSERVATION: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. Observed new ownership started 07/02/2015. CORRECTIVE ACTION: Establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

TROPICANA CAR SALES (Continued) **S124864293**

Complete and submit the following information to CERS: 1. Business Activities: Select "Yes" to Hazardous Material Handler and Hazardous Waste 2. Owner's Identification Page: Complete this section and submit on line. 3. Hazardous Material Inventory: Transmission Oil 55 gallons, Used motor Oil 110 gallons. 4. Site Map: Complete, scan and upload the site map with the following information to CERS. Name and address of business, side street name, North direction, Map scale or a statement of "Map not drawn to scale", location of [Truncated]

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 20422
Site Name: J AND C TRANSMISSION AUTO REPAIR
Violation Date: 04-29-2013
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes: Provide disposal documentation for used oil filters
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspected by T Zehdar, HMS II Consent by C Lino
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Juan Lopez (Owner)
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspected by T Zehdar, HMS II Consent by C Lino
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Juan Lopez (Owner)

TROPICANA CAR SALES (Continued) **S124864293**

Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-26-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Juan Carlos Lopez Cortez, Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-26-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-17-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Juan Carlos Lopez Cortez, Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Document Preparer
Entity Name: JUAN LOPEZ
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

TROPICANA CAR SALES (Continued) **S124864293**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	JUAN CARLOS LOPEZ
Entity Title:	Not reported
Affiliation Address:	575 S ATLANTIC BLVD # C
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	575 S. ATLANTIC BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	JUAN CARLOS LOPEZ
Entity Title:	Not reported
Affiliation Address:	575 S ATLANTIC BLVD # C
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90022
Affiliation Phone:	(323) 816-8642
Affiliation Type Desc:	Operator
Entity Name:	JUAN CARLOS LOPEZ
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(323) 816-8642
Affiliation Type Desc:	Property Owner
Entity Name:	DONALD GILL
Entity Title:	Not reported
Affiliation Address:	575 S ATLANTIC BLVD # C
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90022
Affiliation Phone:	(909) 984-9921
Affiliation Type Desc:	Identification Signer
Entity Name:	JUAN LOPEZ
Entity Title:	OWNER

TROPICANA CAR SALES (Continued) **S124864293**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	J AND C TRANSMISSION AUTO REPAIR
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	TROPICANA CAR SALES
Address:	575 S ATLANTIC BLVD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90022
EPA ID:	CAL000315816
Inactive Date:	06/30/2008
Create Date:	01/26/2007
Last Act Date:	04/23/2009
Mailing Name:	Not reported
Mailing Address:	575 S ATLANTIC BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900220000
Owner Name:	JUAN F TOSCANINI
Owner Address:	11471 OLSON DR
Owner Address 2:	Not reported
Owner City,State,Zip:	GARDEN GROVE, CA 928410000
Contact Name:	NESTON TOSCANINI
Contact Address:	3446 VOLK AVE
Contact Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908080000

NAICS:

EPA ID:	CAL000315816
Create Date:	2007-01-26 16:10:33.810
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2007-01-26 16:10:33.73000
Inactive Date:	2008-06-30 00:00:00
Facility Name:	TROPICANA CAR SALES
Facility Address:	575 S ATLANTIC BLVD
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90022

C16 **BURGER KING** **LUST** **U003057828**
SE **545 1/2 ATLANTIC BLVD S** **Cortese** **N/A**
< 1/8 **LOS ANGELES, CA 90022** **HIST CORTESE**
0.054 mi. **LOS ANGELES CO. HMS**
284 ft. **Site 2 of 10 in cluster C** **CERS**

Relative:
Lower

Actual:
213 ft.

LUST:

Name:	BURGER KING
Address:	545 1/2 ATLANTIC BLVD S
City,State,Zip:	LOS ANGELES, CA 90022
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705382
Global Id:	T0603705382
Latitude:	34.0260684
Longitude:	-118.155679
Status:	Completed - Case Closed
Status Date:	04/18/1996
Case Worker:	Not reported
RB Case Number:	R-23096
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603705382
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

LUST:

Global Id:	T0603705382
Action Type:	Other
Date:	01/01/1996
Action:	Leak Reported

Global Id:	T0603705382
Action Type:	Other
Date:	01/16/1996
Action:	Leak Stopped

Global Id:	T0603705382
Action Type:	Other
Date:	01/16/1996
Action:	Leak Discovery

LUST:

Global Id:	T0603705382
Status:	Open - Case Begin Date
Status Date:	01/01/1996

Global Id:	T0603705382

BURGER KING (Continued) **U003057828**

Status: Completed - Case Closed
Status Date: 04/18/1996

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-23096	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705382	
W Global ID:	Not reported	
Staff:	BRC	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	1/16/1996	
Date Leak First Reported:		1/1/1996
Date Leak Record Entered:	3/15/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	1/16/1996	
Date Case Last Changed on Database:		4/18/1996
Date the Case was Closed:		4/18/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		3154.960454335638983350232419 9
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	Not reported	
Program:	SLIC	
Lat/Long:	34.0260684 / -1	
Local Agency Staff:	Not reported	

BURGER KING (Continued) **U003057828**

Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	WANT TO BUILD BURGER KING. CLARIFIER CHANGED TO WASTE OIL SUMP. LEAKED, BIG MESS! REFER TO JTL. STATE BOARD AUDIT CHECKED-OUT

CORTESE:

Name:	BURGER KING
Address:	545 1/2 ATLANTIC BLVD S
City,State,Zip:	LOS ANGELES, CA 90022
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603705382
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	BURGER KING
edr_fadd1:	545 1/2 ATLANTIC
City,State,Zip:	LOS ANGELES, CA 90022
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-23096

LOS ANGELES CO. HMS:

Name:	BURGER KING RESTAURANT
Address:	545 1/2 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 900222621
Region:	LA
Permit Category:	I
Facility Id:	001404-023096
Facility Type:	01
Facility Status:	Closed
Area:	39
Permit Number:	000153158
Permit Status:	Closed

BURGER KING (Continued) **U003057828**

Name: BURGER KING RESTAURANT
Address: 545 1/2 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 900222621
Region: LA
Permit Category: I
Facility Id: 001404-023096
Facility Type: 01
Facility Status: Closed
Area: 39
Permit Number: 000153676
Permit Status: Removed

Name: BURGER KING RESTAURANT
Address: 545 1/2 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 900222621
Region: LA
Permit Category: T
Facility Id: 001404-023301
Facility Type: 0
Facility Status: Removed
Area: 39
Permit Number: 000154043
Permit Status: Removed

Name: BURGER KING RESTAURANT
Address: 545 1/2 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 900222621
Region: LA
Permit Category: Not reported
Facility Id: 001404-048589
Facility Type: Not reported
Facility Status: OPEN
Area: 39
Permit Number: Not reported
Permit Status: Not reported

CERS:
Name: BURGER KING
Address: 545 1/2 ATLANTIC BLVD S
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 186681
CERS ID: T0603705382
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

C17 **G & AUTO LIQUIDATORS** **SWEEPS UST** **S106926503**
SE **545 S ATLANTIC BLVD** **N/A**
< 1/8 **EAST LOS ANGELES, CA 90022**
0.054 mi.
284 ft. **Site 3 of 10 in cluster C**

Relative: **Lower**
Actual: **213 ft.**

SWEEPS UST:

Name:	G & AUTO LIQUIDATORS
Address:	545 S ATLANTIC BLVD
City:	EAST LOS ANGELES
Status:	Active
Comp Number:	2017
Number:	9
Board Of Equalization:	Not reported
Referral Date:	03-26-92
Action Date:	03-26-92
Created Date:	03-26-92
Owner Tank Id:	A-858357
SWRCB Tank Id:	19-000-002017-000001
Tank Status:	A
Capacity:	550
Active Date:	03-26-92
Tank Use:	EMPTY
STG:	P
Content:	Not reported
Number Of Tanks:	1

C18 **RIT MEDICAL CENTER** **RCRA-SQG** **1000818583**
SSE **615 S ATLANTIC BLVD** **FINDS** **CAD983644659**
< 1/8 **LOS ANGELES, CA 90022** **ECHO**
0.055 mi. **HAZNET**
288 ft. **Site 4 of 10 in cluster C** **HWTS**

Relative: **Lower**
Actual: **209 ft.**

RCRA-SQG:

Date Form Received by Agency:		19920806
Handler Name:	RIT MEDICAL CENTER	
Handler Address:		615 S ATLANTIC BLVD
Handler City,State,Zip:		LOS ANGELES, CA 90022
EPA ID:		CAD983644659
Contact Name:		CARLOS AGUIRRE
Contact Address:		615 S ATLANTIC BLVD
Contact City,State,Zip:		LOS ANGELES, CA 90022
Contact Telephone:		818-505-1592
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		S ATLANTIC BLVD
Mailing City,State,Zip:		LOS ANGELES, CA 90022
Owner Name:		NAUM RIT M D
Owner Type:		Private
Operator Name:		Not reported

RIT MEDICAL CENTER (Continued) **1000818583**

Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

RIT MEDICAL CENTER (Continued) **1000818583**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: NAUM RIT M D
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 615 S ATLANTIC BLVD
Owner/Operator City,State,Zip: LOS ANGELES, CA 90022
Owner/Operator Telephone: 818-505-1592
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19920806
Handler Name: RIT MEDICAL CENTER
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002882113

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000818583

RIT MEDICAL CENTER (Continued) **1000818583**

Registry ID: 110002882113
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002882113
Name: RIT MEDICAL CENTER
Address: 615 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022

HAZNET:
Name: RIT MEDICAL CENTER
Address: 615 S ATLANTIC BLVD
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900220000
Contact: UNDELIVERABLE PER 95 FEES FORM
Telephone: --
Mailing Name: Not reported
Mailing Address: 615 S ATLANTIC BLVD

Year: 1993
Gepaid: CAD983644659
TSD EPA ID: CAD982524613
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: R01 - Recycler
Tons: 0.0333

Additional Info:
Year: 1993
Gen EPA ID: CAD983644659

Shipment Date: 19930217
Creation Date: 9/15/1995 0:00:00
Receipt Date: 19930219
Manifest ID: 91040133
Trans EPA ID: CAL920515415
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982524613
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Meth Code: R01 - Recycler
Quantity Tons: 0.0333
Waste Quantity: 8
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: RIT MEDICAL CENTER
Address: 615 S ATLANTIC BLVD
Address 2: Not reported

RIT MEDICAL CENTER (Continued) **1000818583**

City,State,Zip:	LOS ANGELES, CA 900220000
EPA ID:	CAD983644659
Inactive Date:	06/30/1995
Create Date:	08/06/1992
Last Act Date:	08/10/2004
Mailing Name:	Not reported
Mailing Address:	615 S ATLANTIC BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900220000
Owner Name:	NAUM RIT M D
Owner Address:	615 S ATLANTIC BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900220000
Contact Name:	UNDELIVERABLE PER 95 FEES FORM
Contact Address:	MB
Contact Address 2:	Not reported
City,State,Zip:	--, 99 999990000

C19 **MURRAY BARBER** **EDR Hist Auto** **1009082147**
SE **601 ATLANTIC BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.062 mi.
330 ft. **Site 5 of 10 in cluster C**

Relative: EDR Hist Auto
Lower

Actual:
211 ft.

Year:	Name:	Type:
1937	STENKEY MICHL	GASOLINE AND OIL SERVICE STATIONS
1937	HELFERTY J M	AUTOMOBILE REPAIRING
1942	MURRAY BARBER	GASOLINE AND OIL SERVICE STATIONS

C20 **R-BOYS STORES** **SWEEPS UST** **S106931033**
SE **601 S ATLANTIC AVE** **N/A**
< 1/8 **E LOS ANGELES, CA 90022**
0.062 mi.
330 ft. **Site 6 of 10 in cluster C**

Relative: SWEEPS UST:
Lower

Actual:
211 ft.

Name:	R-BOYS STORES
Address:	601 S ATLANTIC AVE
City:	E LOS ANGELES
Status:	Active
Comp Number:	9726
Number:	9
Board Of Equalization:	Not reported
Referral Date:	03-14-91
Action Date:	03-14-91
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	A
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported

R-BOYS STORES (Continued) **S106931033**

Number Of Tanks: Not reported

C21 **R-BOYS 99 CENTS STORE** **LUST** **S102056590**
SE **601 ATLANTIC BLVD S** **Cortese** **N/A**
< 1/8 **EAST LOS ANGELES, CA 90022** **LOS ANGELES CO. HMS**
0.062 mi. **CERS**
330 ft. **Site 7 of 10 in cluster C**

Relative:
Lower

Actual:
211 ft.

LUST:

Name:	R-BOYS 99 CENTS STORE
Address:	601 ATLANTIC BLVD S
City,State,Zip:	EAST LOS ANGELES, CA 90022
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704853
Global Id:	T0603704853
Latitude:	34.0248925
Longitude:	-118.1559471
Status:	Completed - Case Closed
Status Date:	03/20/1989
Case Worker:	GLM
RB Case Number:	R-09726
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	9883-9726
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603704853
Contact Type:	Local Agency Caseworker
Contact Name:	GILLIAN MINTIER
Organization Name:	LOS ANGELES COUNTY
Address:	900 SOUTH FREMONT AVE
City:	ALHAMBRA
Email:	gmintier@ladpw.org
Phone Number:	Not reported

Global Id:	T0603704853
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704853
Action Type:	Other
Date:	08/05/1985
Action:	Leak Reported

Global Id:	T0603704853
Action Type:	Other
Date:	08/05/1985
Action:	Leak Discovery

R-BOYS 99 CENTS STORE (Continued) **S102056590**

LUST:
Global Id: T0603704853
Status: Open - Case Begin Date
Status Date: 08/05/1985

Global Id: T0603704853
Status: Completed - Case Closed
Status Date: 03/20/1989

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-09726
Status: Remediation Plan
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704853
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: EAST 6TH STREET
Enforcement Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
Date Leak Discovered: 8/5/1985
Date Leak First Reported: 8/5/1985
Date Leak Record Entered: 12/31/1986
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 6/30/1992
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Corrosion
Leak Source: Tank
Operator: RUSTAD, HARRY
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 3485.041021345689565758741061 4
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: 7/11/1991
Preliminary Site Assessment Began: 7/11/1991
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 7/11/1991
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: 1/1/1965
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported

R-BOYS 99 CENTS STORE (Continued) **S102056590**

Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	COZARD, FRANK A. CO TR:ESTATE
RP Address:	P.O. BOX 816, KALAHEO, HA 96741
Program:	LUST
Lat/Long:	34.0248034 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

CORTESE:

Name:	R-BOYS 99 CENTS STORE
Address:	601 ATLANTIC BLVD S
City,State,Zip:	EAST LOS ANGELES, CA 90022
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603704853
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

LOS ANGELES CO. HMS:

Name:	R-BOYS STORES
Address:	601 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 900223211
Region:	LA
Permit Category:	Not reported
Facility Id:	009883-009726
Facility Type:	Not reported
Facility Status:	Removed
Area:	39
Permit Number:	Not reported
Permit Status:	Not reported

Name:	LAUNDRY 2000 -SNACK STOP
Address:	601 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 900223211

R-BOYS 99 CENTS STORE (Continued) **S102056590**

Region: LA
Permit Category: S
Facility Id: 009883-069477
Facility Type: S5
Facility Status: Permit
Area: 39
Permit Number: 000955497
Permit Status: Permit

CERS:
Name: R-BOYS 99 CENTS STORE
Address: 601 ATLANTIC BLVD S
City,State,Zip: EAST LOS ANGELES, CA 90022
Site ID: 230765
CERS ID: T0603704853
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: GILLIAN MINTIER - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 SOUTH FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

C22 **DR NAMIAN FAMILY DENTISTRY** **RCRA NonGen / NLR** **1024813441**
SE **609 S ATLANTIC BLVD** **CAL000304130**
< 1/8 **LOS ANGELES, CA 90022**
0.066 mi.
349 ft. **Site 8 of 10 in cluster C**

Relative:
Lower

Actual:
210 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 20060306
Handler Name: DR NAMIAN FAMILY DENTISTRY
Handler Address: 609 S ATLANTIC BLVD
Handler City,State,Zip: LOS ANGELES, CA 90022
EPA ID: CAL000304130
Contact Name: DR. NAMIAN
Contact Address: 609 S ATLANTIC BLVD
Contact City,State,Zip: LOS ANGELES, CA 90022
Contact Telephone: 323-980-9768
Contact Fax: 323-980-0988
Contact Email: NAMIAN1@YAHOO.COM
Contact Title: Not reported

DR NAMIAN FAMILY DENTISTRY (Continued) **1024813441**

EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	609 S ATLANTIC BLVD
Mailing City,State,Zip:	LOS ANGELES, CA 90022-0000
Owner Name:	NAMIAN & BORJIAN DENTAL CORP.
Owner Type:	Other
Operator Name:	DR. NAMIAN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

DR NAMIAN FAMILY DENTISTRY (Continued) **1024813441**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NAMIAN & BORJIAN DENTAL CORP.
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	609 S ATLANTIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022-0000
Owner/Operator Telephone:	323-980-9768
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DR. NAMIAN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	609 S ATLANTIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022
Owner/Operator Telephone:	323-980-9768
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060306
Handler Name:	DR NAMIAN FAMILY DENTISTRY
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	62121

DR NAMIAN FAMILY DENTISTRY (Continued) **1024813441**

NAICS Description: OFFICES OF DENTISTS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C23 **R-BOYS 99 CENTS STORE** **HIST CORTESE** **S105024574**
SE **601 ATLANTIC** **N/A**
< 1/8 **LOS ANGELES, CA 91403**
0.066 mi.
351 ft. **Site 9 of 10 in cluster C**

Relative: HIST CORTESE:
Lower
Actual: edr_fname: R-BOYS 99 CENTS STORE
211 ft. edr_fadd1: 601 ATLANTIC
City,State,Zip: LOS ANGELES, CA 91403
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-09726

D24 **NOAM BOUZAGLOU** **RCRA NonGen / NLR** **1026476127**
NW **467 SOUTH LA VERNE AVE** **CAC003081915**
< 1/8 **LOS ANGELES, CA 90022**
0.073 mi.
385 ft. **Site 1 of 3 in cluster D**

Relative: RCRA NonGen / NLR:
Higher
Date Form Received by Agency: 20200901
Actual: Handler Name: NOAM BOUZAGLOU
233 ft. Handler Address: 467 SOUTH LA VERNE AVE
Handler City,State,Zip: LOS ANGELES, CA 90022
EPA ID: CAC003081915
Contact Name: NOAM BOUZAGLOU
Contact Address: 467 SOUTH LA VERNE AVE
Contact City,State,Zip: LOS ANGELES, CA 90022
Contact Telephone: 818-415-1557
Contact Fax: Not reported
Contact Email: CONSTRUCTIONSRV@GMAIL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 467 SOUTH LA VERNE AVE
Mailing City,State,Zip: LOS ANGELES, CA 90022
Owner Name: NOAM BOUZAGLOU

NOAM BOUZAGLOU (Continued) **1026476127**

Owner Type:	Other
Operator Name:	NOAM BOUZAGLOU
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200904
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

NOAM BOUZAGLOU (Continued) **1026476127**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: NOAM BOUZAGLOU
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 467 SOUTH LA VERNE AVE
Owner/Operator City,State,Zip: LOS ANGELES, CA 90022
Owner/Operator Telephone: 818-415-1557
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOAM BOUZAGLOU
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 467 SOUTH LA VERNE AVE
Owner/Operator City,State,Zip: LOS ANGELES, CA 90022
Owner/Operator Telephone: 818-415-1557
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200901
Handler Name: NOAM BOUZAGLOU
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D25 NW < 1/8 0.076 mi. 402 ft. | **NB BUILDERS**
465 SOUTH LA VERNE AVE
LOS ANGELES, CA 90022
Site 2 of 3 in cluster D

RCRA NonGen / NLR | **1026471347** / **CAC003076927**

Relative: Higher
Actual: 234 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20200729
Handler Name:	NB BUILDERS	
Handler Address:		465 SOUTH LA VERNE AVE
Handler City,State,Zip:		LOS ANGELES, CA 90022
EPA ID:		CAC003076927
Contact Name:		NB BUILDERS
Contact Address:		465 SOUTH LA VERNE AVE
Contact City,State,Zip:		LOS ANGELES, CA 90022
Contact Telephone:		818-415-1557
Contact Fax:		Not reported
Contact Email:		CONSTRUCTIONSRV@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		465 SOUTH LA VERNE AVE
Mailing City,State,Zip:		LOS ANGELES, CA 90022
Owner Name:		NB BUILDERS
Owner Type:		Other
Operator Name:		NB BUILDERS
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

NB BUILDERS (Continued) **1026471347**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200814
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NB BUILDERS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	465 SOUTH LA VERNE AVE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022
Owner/Operator Telephone:	818-415-1557
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NB BUILDERS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	465 SOUTH LA VERNE AVE
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022
Owner/Operator Telephone:	818-415-1557
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

NB BUILDERS (Continued) **1026471347**

Historic Generators:
- Receive Date: 20200729
- Handler Name: NB BUILDERS
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

C26 **GRAFFIN E H** **EDR Hist Auto** **1009080047**
SE **600 S ATLANTIC BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.082 mi.
433 ft. **Site 10 of 10 in cluster C**

Relative: EDR Hist Auto
Lower

Actual:
210 ft.

Year:	Name:	Type:
1937	GRAFFIN E H	GASOLINE AND OIL SERVICE STATIONS

E27 **NO NAME** **CPS-SLIC** **S112057318**
SSE **629 S. ATLANTIC** **CERS** **N/A**
< 1/8 **LOS ANGELES, CA 90022**
0.086 mi.
453 ft. **Site 1 of 4 in cluster E**

Relative: CPS-SLIC:
Lower

Actual:
207 ft.

- Name: NO NAME
- Address: 629 S. ATLANTIC
- City,State,Zip: LOS ANGELES, CA 90022
- Region: STATE
- **Facility Status: Open - Inactive**
- Status Date: 05/09/2012
- Global Id: T10000003705
- Lead Agency: LOS ANGELES RWQCB (REGION 4)
- Lead Agency Case Number: Not reported
- Latitude: 34.024124
- Longitude: -118.156521

NO NAME (Continued) **S112057318**

Case Type:	Cleanup Program Site
Case Worker:	S-
Local Agency:	Not reported
RB Case Number:	1273
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	NO NAME
Address:	629 S. ATLANTIC
City,State,Zip:	LOS ANGELES, CA 90022
Site ID:	189581
CERS ID:	T10000003705
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	SLIC - NEW - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

B28 **URICH RUDOLPH** **EDR Hist Auto** **1009083932**
East **500 ATLANTIC BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.089 mi.
468 ft. **Site 4 of 4 in cluster B**

Relative: EDR Hist Auto
Higher

Actual:
218 ft.

Year:	Name:	Type:
1942	URICH RUDOLPH	GASOLINE AND OIL SERVICE STATIONS

E29 **TALPITA AUTO BODY & PAINT** **CERS HAZ WASTE** **S105053176**
SE **626 S ATLANTIC BLVD** **LOS ANGELES CO. HMS** **N/A**
< 1/8 **LOS ANGELES, CA 90022** **CERS**
0.102 mi.
536 ft. **Site 2 of 4 in cluster E**

Relative: CERS HAZ WASTE:
Lower

Actual:
208 ft.

Name:	CERTIFIED AUTO IMPORT SALES INC
Address:	626 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 90022
Site ID:	104316
CERS ID:	10269049
CERS Description:	Hazardous Waste Generator

TALPITA AUTO BODY & PAINT (Continued) **S105053176**

LOS ANGELES CO. HMS:
Name: TALPITA AUTO BODY & PAINT
Address: 626 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 900223212
Region: LA
Permit Category: Not reported
Facility Id: 017836-024480
Facility Type: Not reported
Facility Status: OPEN
Area: 39
Permit Number: Not reported
Permit Status: Not reported

CERS:
Name: CERTIFIED AUTO IMPORT SALES INC
Address: 626 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 104316
CERS ID: 10269049
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 104316
Site Name: CERTIFIED AUTO IMPORT SALES INC
Violation Date: 12-02-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 11/18/2016. OBSERVATION: All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. Observed the following hazardous waste containers without a label or improperly labeled - 1) 1 x 55 gallon drum containing used oil. 2) 1 x 55 gallon drum used antifreeze. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 104316
Site Name: CERTIFIED AUTO IMPORT SALES INC
Violation Date: 12-02-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 01/21/2016. OBSERVATION: The annotated site map submitted to the CUPA does not include location of emergency response equipment (fire extinguishers, spill kits), location of hazardous materials and wastes. CORRECTIVE ACTION: Revise the annotated Site Map to include all required content and submit

TALPITA AUTO BODY & PAINT (Continued) **S105053176**

electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 12-04-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-04-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-17-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Cher Mansoub, Owner.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-17-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Cher Mansoub, Owner.

TALPITA AUTO BODY & PAINT (Continued) **S105053176**

Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 104316
Facility Name: CERTIFIED AUTO IMPORT SALES INC
Env Int Type Code: HWG
Program ID: 10269049
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 34.024180
Longitude: -118.155770

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Environmental Contact
Entity Name: MIKE ZEREHI
Entity Title: Not reported
Affiliation Address: 620 S ATLANTIC BLVD
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90022
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: MOHAMMAD R ZEREHT
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (323) 780-8000

Affiliation Type Desc: Identification Signer
Entity Name: CHER MANSOUB
Entity Title: MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner

TALPITA AUTO BODY & PAINT (Continued) **S105053176**

Entity Name:	CERTIFIED AUTO IMPORT SALES IN
Entity Title:	Not reported
Affiliation Address:	620 S. ATLANTIC BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90022
Affiliation Phone:	(323) 780-8000
Affiliation Type Desc:	Document Preparer
Entity Name:	CHER MANSOUB
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	620 S ATLANTIC BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CERTIFIED AUTO IMPORT SALES INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

E30 **RIQUIAC AUTO REPAIR** **RCRA NonGen / NLR** **1024836982**
SSE **632 S ATLANTIC BLVD** **CAL000381615**
< 1/8 **LOS ANGELES, CA 90022**
0.110 mi.
582 ft. **Site 3 of 4 in cluster E**

Relative: **Lower**
Actual: **207 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20130115
Handler Name:	RIQUIAC AUTO REPAIR	
Handler Address:		632 S ATLANTIC BLVD
Handler City,State,Zip:		LOS ANGELES, CA 90022
EPA ID:		CAL000381615
Contact Name:		ABRAHAM RIQUIAC
Contact Address:		632 S ATLANTIC BLVD
Contact City,State,Zip:		LOS ANGELES, CA 90022
Contact Telephone:		323-972-8309
Contact Fax:		000-000-0000
Contact Email:		ARIQUIAC@GMAIL.COM

RIQUIAC AUTO REPAIR (Continued) **1024836982**

Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	632 S ATLANTIC BLVD
Mailing City,State,Zip:	LOS ANGELES, CA 90022-0000
Owner Name:	ABRAHAM RIQUIAC
Owner Type:	Other
Operator Name:	ABRAHAM RIQUIAC
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported

RIQUIAC AUTO REPAIR (Continued) **1024836982**

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ABRAHAM RIQUIAC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	632 S ATLANTIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022
Owner/Operator Telephone:	323-972-8309
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ABRAHAM RIQUIAC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	632 S ATLANTIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022-0000
Owner/Operator Telephone:	323-972-8309
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20130115
Handler Name: RIQUIAC AUTO REPAIR	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

RIQUIAC AUTO REPAIR (Continued) **1024836982**

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E31 **D&D AUTO REPAIR (CLOSED)** **CERS HAZ WASTE** **S109421227**
SSE **632 S ATLANTIC BLVD** **LOS ANGELES CO. HMS** **N/A**
< 1/8 **LOS ANGELES, CA 90022** **CERS**
0.110 mi.
582 ft. **Site 4 of 4 in cluster E**

Relative: Lower
Actual: 207 ft.

CERS HAZ WASTE:
Name: RIQUIAC AUTO REPAIR & ELECTRIC
Address: 632 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 61765
CERS ID: 10293013
CERS Description: Hazardous Waste Generator

LOS ANGELES CO. HMS:
Name: D&D AUTO REPAIR (CLOSED)
Address: 632 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 900223212
Region: LA
Permit Category: S
Facility Id: 032346-051894
Facility Type: S5
Facility Status: Permit
Area: 39
Permit Number: 000591530
Permit Status: Suspended

CERS:
Name: RIQUIAC AUTO REPAIR & ELECTRIC
Address: 632 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 61765
CERS ID: 10293013
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 61765
Site Name: Riquiac Auto Repair & Electric
Violation Date: 05-18-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/04/2017. OBSERVATION: Submitted the

D&D AUTO REPAIR (CLOSED) (Continued) **S109421227**

	Hazardous Materials Inventory Chemical Description page DID NOT IDENTIFIED TYPE OF COMPRESSED GAS. COMPRESS GAS OBSERVED DURING INSPECTION WAS ARGON MIXED WITH CARBON DIOXIDE. PLEASE CHANGE "COMPRESS GAS' TO ARGON MIXED WITH CARBON DIOXIDE. CORRECTIVE ACTION: Update the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	61765
Site Name:	Riquiac Auto Repair & Electric
Violation Date:	05-18-2016
Citation:	22 CCR 15 66265.176 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.176
Violation Description:	Failure to keep reactive and ignitable waste at least 50 ft from the property line.
Violation Notes:	Returned to compliance on 05/11/2017. OBSERVATION: DISPOSAL RECORDS OF USED OIL FILTERS WERE NOT AVAILABLE. Generator failed to properly handle, manage, label, and/or recycle used oil and fuel filters. CORRECTIVE ACTION: Owner/Operator shall immediatly comply with the Title 22 regulations with regards to the proper handling, management, labeling and recycling of used oil and fuel filters.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	61765
Site Name:	Riquiac Auto Repair & Electric
Violation Date:	08-06-2014
Citation:	22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 12/19/2014. OBSERVATION: Observed two 55 gallon container of waste oil without a cover/cap. CORRECTIVE ACTION: Provide a tightly sealed cover/cap for hazardous waste containers. Waste containers are considered closed when all lids, gaskets, and locking rings are in place and secured. Waste containers must always be closed except when adding or removing waste.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	61765
Site Name:	Riquiac Auto Repair & Electric
Violation Date:	05-18-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 05/04/2017. OBSERVATION: The annotated site map submitted to the CUPA does not include ADJACENT STREET AND EVACUATION AREA. CORRECTIVE ACTION: Revise the annotated Site Map to include all required content and submit electronically in the California Environmental Reporting System (CERS).

D&D AUTO REPAIR (CLOSED) (Continued) **S109421227**

Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 61765
Site Name: Riquiac Auto Repair & Electric
Violation Date: 08-06-2014
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/19/2014. OBSERVATION: Upon review of the CERS online submittals, no submittals observed from this facility. CORRECTIVE ACTION: Complete CERS Online Business Plan and submit. Include: Business Activities, Business Owner/Operator ID, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan, and Employee Training Plan.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 61765
Site Name: Riquiac Auto Repair & Electric
Violation Date: 05-18-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Training - General
Violation Notes: Returned to compliance on 05/04/2017. OBSERVATION: This facilityG s EPA ID number is inactive. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. CORRECTIVE ACTION: Immediately contact DTSC and reactivate your EPA ID number and submit evidence to the cupa.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 61765
Site Name: Riquiac Auto Repair & Electric
Violation Date: 05-23-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 06/04/2019. OBSERVATION: 2 x 55 gallon metal drums of used oil and 1 x 55 gallon metal drains oil a filters located in the back of the shop was observed without a hazardous waste label. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 61765
Site Name: Riquiac Auto Repair & Electric

D&D AUTO REPAIR (CLOSED) (Continued) **S109421227**

Violation Date: 08-06-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/19/2014. OBSERVATION: Hazardous Waste operating permit not available for review. CORRECTIVE ACTION: Provide a current Los Angeles County Fire Department Certified Unified Program Agency (CUPA) Permit. LA Co. Ord 12.50.075
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Pedro Morales, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-11-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Pedro Morales, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-19-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-04-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

D&D AUTO REPAIR (CLOSED) (Continued) **S109421227**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-23-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Pedro Morales, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-04-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-23-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Pedro Morales, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-19-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 61765
Facility Name: Riquiac Auto Repair & Electric

D&D AUTO REPAIR (CLOSED) (Continued) **S109421227**

Env Int Type Code:	HWG
Program ID:	10293013
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	34.023830
Longitude:	-118.155910

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000

Affiliation Type Desc:	Environmental Contact
Entity Name:	ABRAHAM RIQUIAC
Entity Title:	Not reported
Affiliation Address:	632 S. Atlantic Blvd
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	ABRAHAM RIQUIAC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(323) 972-8309

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	632 S. Atlantic Blvd
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Riquiac Auto Repair & Electric
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

D&D AUTO REPAIR (CLOSED) (Continued) **S109421227**

Affiliation Type Desc:	Identification Signer
Entity Name:	ABRAHAM RIQUIAC
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	ABRAHAM RIQUIAC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	ABRAHAM RIQUIAC
Entity Title:	Not reported
Affiliation Address:	632 S. Atlantic Blvd
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90022
Affiliation Phone:	(323) 972-8309

F32
ENE
< 1/8
0.114 mi.
603 ft.

SCHIENDLER ELEVATOR **RCRA NonGen / NLR** **1026162600**
416 S ATLANTIC BLVD **CAC003062586**
LOS ANGELES, CA 90022

Site 1 of 8 in cluster F

Relative: Higher

Actual: 225 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20200406
Handler Name:	SCHIENDLER ELEVATOR	
Handler Address:		416 S ATLANTIC BLVD
Handler City,State,Zip:		LOS ANGELES, CA 90022-2618
EPA ID:		CAC003062586
Contact Name:		MAYA ABADA
Contact Address:		416 S ATLANTIC BLVD
Contact City,State,Zip:		LOS ANGELES, CA 90022-2618
Contact Telephone:		818-480-0626
Contact Fax:		Not reported
Contact Email:		RUBEN.BEAS@SAFETY-KLEN.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported

SCHIENDLER ELEVATOR (Continued) **1026162600**

State District:	Not reported
Mailing Address:	416 S ATLANTIC BLVD
Mailing City,State,Zip:	LOS ANGELES, CA 90022-2618
Owner Name:	MAYA ABADA
Owner Type:	Other
Operator Name:	MAYA ABADA
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200408
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

SCHIENDLER ELEVATOR (Continued) **1026162600**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MAYA ABADA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	416 S ATLANTIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022-2618
Owner/Operator Telephone:	818-480-0626
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MAYA ABADA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	416 S ATLANTIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022-2618
Owner/Operator Telephone:	818-480-0626
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200406
Handler Name: SCHIENDLER ELEVATOR	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

33
East
< 1/8
0.121 mi.
637 ft.

4TH STREET PRIMARY CENTER
469 AMALIA ST
LOS ANGELES, CA 90022

RCRA-LQG **1006805446**
FINDS **CAR000127811**

Relative:
Higher

Actual:
221 ft.

RCRA-LQG:

Date Form Received by Agency:	20020906
Handler Name:	4TH STREET PRIMARY CENTER
Handler Address:	469 AMALIA ST
Handler City,State,Zip:	LOS ANGELES, CA 90022
EPA ID:	CAR000127811
Contact Name:	SOE AUNG
Contact Address:	1449 S SAN PEDRO ST
Contact City,State,Zip:	LOS ANGELES, CA 90015
Contact Telephone:	213-743-5086
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	District
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1449 S SAN PEDRO ST
Mailing City,State,Zip:	LOS ANGELES, CA 90015
Owner Name:	L A UNIFIED SCHOOL DISTRICT
Owner Type:	District
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

4TH STREET PRIMARY CENTER (Continued) **1006805446**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021107
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	L A UNIFIED SCHOOL DISTRICT
Legal Status:	District
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1449 S SAN PEDRO ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90015
Owner/Operator Telephone:	213-743-5086
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20020906
Handler Name:	4TH STREET PRIMARY CENTER
Federal Waste Generator Description:	Large Quantity Generator

4TH STREET PRIMARY CENTER (Continued) **1006805446**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110013292891

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

D34 **HUERTA JUAN** **EDR Hist Auto** **1021769941**
NW **454 FERRIS AVE** **N/A**
< 1/8 **LOS ANGELES, CA 90022**
0.122 mi.
645 ft. **Site 3 of 3 in cluster D**

Relative: EDR Hist Auto
Higher

Actual: **239 ft.**

Year:	Name:	Type:
1986	HUERTA JUAN	Gasoline Service Stations
1987	HUERTA JUAN	Gasoline Service Stations
1988	HUERTA JUAN	Gasoline Service Stations
1989	HUERTA JUAN	Gasoline Service Stations
1990	HUERTA JUAN	Gasoline Service Stations
1991	HUERTA JUAN	Gasoline Service Stations

F35 **G&M S/S** **LUST** **U003058167**
NE **401 ATLANTIC BLVD S** **Cortese** **N/A**
< 1/8 **EAST LOS ANGELES, CA 90022** **LOS ANGELES CO. HMS**
0.123 mi. **CERS**
649 ft. **Site 2 of 8 in cluster F**

Relative: Higher

Actual: 225 ft.

LUST:

Name:	G&M S/S
Address:	401 ATLANTIC BLVD S
City,State,Zip:	EAST LOS ANGELES, CA 90022
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705293
Global Id:	T0603705293
Latitude:	34.029318
Longitude:	-118.154947
Status:	Completed - Case Closed
Status Date:	12/17/1992
Case Worker:	JOA
RB Case Number:	R-16927
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603705293
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603705293
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603705293
Action Type:	Other
Date:	09/27/1991
Action:	Leak Reported

Global Id:	T0603705293
Action Type:	ENFORCEMENT
Date:	12/17/1992
Action:	Closure/No Further Action Letter

Global Id:	T0603705293
Action Type:	Other

G&M S/S (Continued) **U003058167**

Date: 08/14/1991
Action: Leak Stopped

Global Id: T0603705293
Action Type: Other
Date: 08/14/1991
Action: Leak Discovery

LUST:
Global Id: T0603705293
Status: Open - Case Begin Date
Status Date: 08/14/1991

Global Id: T0603705293
Status: Open - Site Assessment
Status Date: 09/27/1991

Global Id: T0603705293
Status: Completed - Case Closed
Status Date: 12/17/1992

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-16927
Status: Preliminary site assessment underway
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705293
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: 004TH ST.
Enforcement Type: Not reported
Date Leak Discovered: 8/14/1991
Date Leak First Reported: 9/27/1991
Date Leak Record Entered: 12/19/1991
Date Confirmation Began: Not reported
Date Leak Stopped: 8/14/1991
Date Case Last Changed on Database: 1/3/1992
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: ROMERO, ALBERT A.
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2029.68819605441930660189996 13
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported

G&M S/S (Continued) **U003058167**

Preliminary Site Assessment Began:	9/27/1991
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	PRONTO MARKETING
RP Address:	12739 S. LAKEWOOD BLVD., DOWNEY, 90242
Program:	LUST
Lat/Long:	34.0293412 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

CORTESE:

Name:	G&M S/S
Address:	401 ATLANTIC BLVD S
City,State,Zip:	EAST LOS ANGELES, CA 90022
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603705293
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

LOS ANGELES CO. HMS:

Name:	G&M SERVICE
Address:	401 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 900222617

G&M S/S (Continued) **U003058167**

Region: LA
Permit Category: I
Facility Id: 001765-I16927
Facility Type: 02
Facility Status: Removed
Area: 39
Permit Number: 000012710
Permit Status: Removed

CERS:
Name: G&M S/S
Address: 401 ATLANTIC BLVD S
City,State,Zip: EAST LOS ANGELES, CA 90022
Site ID: 187964
CERS ID: T0603705293
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

F36 **PRONTO MARKETING #320** **SWEEPS UST** **U001560930**
NE **401 S ATLANTIC BLVD** **HIST UST** **N/A**
< 1/8 **LOS ANGELES, CA 90022** **LOS ANGELES CO. HMS**
0.123 mi.
649 ft. **Site 3 of 8 in cluster F**

Relative:
Higher

Actual:
225 ft.

SWEEPS UST:
Name: PRONTO MARKETING #320
Address: 401 S ATLANTIC BLVD
City: LOS ANGELES
Status: Active
Comp Number: 1840
Number: 9
Board Of Equalization: 44-000202
Referral Date: 01-24-90
Action Date: 01-24-90
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-001840-000001

PRONTO MARKETING #320 (Continued) **U001560930**

Tank Status:	A
Capacity:	10000
Active Date:	01-24-90
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	4

Name:	PRONTO MARKETING #320
Address:	401 S ATLANTIC BLVD
City:	LOS ANGELES
Status:	Active
Comp Number:	1840
Number:	9
Board Of Equalization:	44-000202
Referral Date:	01-24-90
Action Date:	01-24-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-001840-000002
Tank Status:	A
Capacity:	12000
Active Date:	01-24-90
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	PRONTO MARKETING #320
Address:	401 S ATLANTIC BLVD
City:	LOS ANGELES
Status:	Active
Comp Number:	1840
Number:	9
Board Of Equalization:	44-000202
Referral Date:	01-24-90
Action Date:	01-24-90
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-001840-000003
Tank Status:	A
Capacity:	5000
Active Date:	01-24-90
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

Name:	PRONTO MARKETING #320
Address:	401 S ATLANTIC BLVD
City:	LOS ANGELES
Status:	Active
Comp Number:	1840
Number:	9
Board Of Equalization:	44-000202
Referral Date:	01-24-90
Action Date:	01-24-90

PRONTO MARKETING #320 (Continued) **U001560930**

Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-001840-000004
Tank Status:	A
Capacity:	4000
Active Date:	01-24-90
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

HIST UST:

Name:	G M FAST GAS
Address:	401 SOUTH ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 90022
File Number:	00026B36
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026B36.pdf
Region:	STATE
Facility ID:	00000041529
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	GEORGE C. GAMBOA
Telephone:	2132645651
Owner Name:	GEORGE C GAMBOA
Owner Address:	2741 VIA PASEO NUMBER 11
Owner City,St,Zip:	MONTEBELLO, CA 90640
Total Tanks:	0004
Tank Num:	001
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00009943
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00007403
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00005132
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4

PRONTO MARKETING #320 (Continued) **U001560930**

Year Installed:	Not reported
Tank Capacity:	00011891
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

LOS ANGELES CO. HMS:

Name:	ROMO'S AUTO SALES, LLC
Address:	401 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 900222617
Region:	LA
Permit Category:	Not reported
Facility Id:	001765-070553
Facility Type:	Not reported
Facility Status:	OPEN
Area:	39
Permit Number:	Not reported
Permit Status:	Not reported

F37 **INGRAM E E** **EDR Hist Auto** **1009082234**
NE **401 ATLANTIC BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.123 mi.
649 ft. **Site 4 of 8 in cluster F**

Relative: EDR Hist Auto
Higher

Actual:
225 ft.

Year:	Name:	Type:
1937	WRAY BOYD	GASOLINE AND OIL SERVICE STATIONS
1942	INGRAM E E	GASOLINE AND OIL SERVICE STATIONS
1969	CLEVELAND JOE	General Automotive Repair Shops
1970	CLEVELAND JOE	General Automotive Repair Shops
1989	FAST GAS	Gasoline Service Stations
1991	FARM FRESH RANCH MARKET	Gasoline Service Stations, NEC
1992	FARM FRESH RANCH MARKET	Gasoline Service Stations, NEC
1997	LA SMOG CHECK & REPAIR	Automotive Repair Shops, NEC
1998	LA SMOG CHECK & REPAIR	Automotive Repair Shops, NEC
1999	LA SMOG CHECK & REPAIR	Automotive Repair Shops, NEC
2000	LA SMOG CHECK & REPAIR	Automotive Repair Shops, NEC
2003	ACCESS SMOG TEST ONLY	Automotive Maintenance Services

F38 **G&M S/S** **HIST CORTESE** **S105024573**
NE **401 ATLANTIC** **N/A**
< 1/8 **LOS ANGELES, CA 90022**
0.123 mi.
649 ft. **Site 5 of 8 in cluster F**

Relative: HIST CORTESE:
Higher

Actual:
225 ft.

edr_fname:	G&M S/S
edr_fadd1:	401 ATLANTIC
City,State,Zip:	LOS ANGELES, CA 90022
Region:	CORTESE
Facility County Code:	19

G&M S/S (Continued) **S105024573**

Reg By: LTNKA
Reg Id: R-16927

F39 **TALLACT, LLC** **RCRA NonGen / NLR** **1026819875**
ENE **414 S. ATLANTIC BL** **CAC003132730**
1/8-1/4 **LOS ANGELES, CA 90022**
0.126 mi.
666 ft. **Site 6 of 8 in cluster F**

Relative: **Higher**

Actual: **225 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20210804
Handler Name:	TALLACT, LLC	
Handler Address:		414 S. ATLANTIC BL
Handler City,State,Zip:		LOS ANGELES, CA 90022
EPA ID:		CAC003132730
Contact Name:		TALLACT, LLC
Contact Address:		6621 REMSEN CT
Contact City,State,Zip:		CARLSBAD, CA 92011
Contact Telephone:		760-440-2791
Contact Fax:		Not reported
Contact Email:		JANICE@ABSOLUTEABATEMENTINC.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		6621 REMSEN CT
Mailing City,State,Zip:		CARLSBAD, CA 92011
Owner Name:		TALLACT, LLC
Owner Type:		Other
Operator Name:		TALLACT, LLC
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No

TALLACT, LLC (Continued) **1026819875**

Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210809
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TALLACT, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6621 REMSEN CT
Owner/Operator City,State,Zip:	CARLSBAD, CA 92011
Owner/Operator Telephone:	760-440-2791
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TALLACT, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6621 REMSEN CT
Owner/Operator City,State,Zip:	CARLSBAD, CA 92011
Owner/Operator Telephone:	760-440-2791

TALLACT, LLC (Continued) **1026819875**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210804
Handler Name: TALLACT, LLC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G40 **UHAUL CENTER** **RCRA-SQG** **1000159952**
SSE **657 S ATLANTIC BLVD** **FINDS** **CAD981641590**
1/8-1/4 **LOS ANGELES, CA 90022** **ECHO**
0.137 mi.
724 ft. **Site 1 of 8 in cluster G**

Relative: **Lower**
Actual: **204 ft.**

RCRA-SQG:
Date Form Received by Agency: 19971015
Handler Name: UHAUL CENTER
Handler Address: 657 S ATLANTIC BLVD
Handler City,State,Zip: LOS ANGELES, CA 90022
EPA ID: CAD981641590
Contact Name: VICTOR HILL
Contact Address: 1985 E COVINA BLVD
Contact City,State,Zip: COVINA, CA 91724
Contact Telephone: 213-780-7816
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported

UHAUL CENTER (Continued) **1000159952**

State District:	Not reported
Mailing Address:	1985 E COVINA BLVD
Mailing City,State,Zip:	COVINA, CA 91724
Owner Name:	UHAUL INTERNATIONAL
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

UHAUL CENTER (Continued) **1000159952**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	UHAUL INTERNATIONAL
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2727 N CENTRAL AVE
Owner/Operator City,State,Zip:	PHOENIX, AZ 85004-1120
Owner/Operator Telephone:	800-528-0463
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19971015
Handler Name: UHAUL CENTER	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

UHAUL CENTER (Continued) **1000159952**

Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002735906

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000159952
Registry ID:	110002735906
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002735906
Name:	UHAUL CENTER
Address:	657 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 90022

G41 **EAST L.A.MOVING CENTER** **HIST UST** **U001560920**
SSE **657 S ATLANTIC BLVD** **LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **EAST LOS ANGELES, CA 90022**
0.137 mi.
724 ft. **Site 2 of 8 in cluster G**

Relative: **Lower**
Actual: **204 ft.**

HIST UST:

Name:	EAST L.A.MOVING CENTER
Address:	657 S ATLANTIC BLVD
City,State,Zip:	EAST LOS ANGELES, CA 90022
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000003503
Facility Type:	Other
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	2132664833
Owner Name:	U-HAUL CO
Owner Address:	657 S. ATLANTIC
Owner City,St,Zip:	EAST LOS ANGELES, CA 90022
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	1981
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4

EAST L.A.MOVING CENTER (Continued) **U001560920**

Leak Detection: Stock Inventor, None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 10
Leak Detection: Stock Inventor, None

Tank Num: 003
Container Num: 3
Year Installed: 1981
Tank Capacity: 00009950
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, None

LOS ANGELES CO. HMS:
Name: U-HAUL CO OF LOS ANGELES
Address: 657 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 900223211
Region: LA
Permit Category: I
Facility Id: 004210-I04362
Facility Type: 02
Facility Status: Permit
Area: 39
Permit Number: 000012482
Permit Status: Closed

Name: U-HAUL CO OF LOS ANGELES
Address: 657 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 900223211
Region: LA
Permit Category: I
Facility Id: 004210-I04362
Facility Type: 02
Facility Status: Permit
Area: 39
Permit Number: 000005143
Permit Status: Closed

Name: U-HAUL CO OF LOS ANGELES
Address: 657 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 900223211
Region: LA
Permit Category: I
Facility Id: 004210-I04362
Facility Type: 02
Facility Status: Permit
Area: 39
Permit Number: 000837797
Permit Status: Closed

EAST L.A.MOVING CENTER (Continued) **U001560920**

Name: U-HAUL CO OF LOS ANGELES
Address: 657 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 900223211
Region: LA
Permit Category: I
Facility Id: 004210-I04362
Facility Type: 02
Facility Status: Permit
Area: 39
Permit Number: 000021504
Permit Status: Permit

Name: U-HAUL CO OF LOS ANGELES
Address: 657 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 900223211
Region: LA
Permit Category: S
Facility Id: 004210-044519
Facility Type: S5
Facility Status: Permit
Area: 39
Permit Number: 000529222
Permit Status: Permit

G42 **U HAUL RENTAL** **SWEEPS UST** **S101585330**
SSE **657 S ATLANTIC BLVD** **HIST UST** **N/A**
1/8-1/4 **E LOS ANGELES, CA 90022** **CA FID UST**
0.137 mi.
724 ft. **Site 3 of 8 in cluster G**

Relative: **Lower**

Actual: **204 ft.**

SWEEPS UST:
Name: U HAUL RENTAL
Address: 657 S ATLANTIC BLVD
City: E LOS ANGELES
Status: Active
Comp Number: 4362
Number: 9
Board Of Equalization: 44-007810
Referral Date: 03-14-91
Action Date: 03-14-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-004362-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 3

Name: U HAUL RENTAL
Address: 657 S ATLANTIC BLVD
City: E LOS ANGELES
Status: Active
Comp Number: 4362
Number: 9
Board Of Equalization: 44-007810

U HAUL RENTAL (Continued) **S101585330**

Referral Date:	03-14-91
Action Date:	03-14-91
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-004362-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Name:	U HAUL RENTAL
Address:	657 S ATLANTIC BLVD
City:	E LOS ANGELES
Status:	Active
Comp Number:	4362
Number:	9
Board Of Equalization:	44-007810
Referral Date:	03-14-91
Action Date:	03-14-91
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-000-004362-000003
Tank Status:	A
Capacity:	Not reported
Active Date:	06-30-89
Tank Use:	UNKNOWN
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

HIST UST:

Name:	EAST LAMOVING CENTER
Address:	657 S ATLANTIC
City,State,Zip:	LOS ANGELES, CA 90022
File Number:	00028E45
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028E45.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported

U HAUL RENTAL (Continued) **S101585330**

Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	19022988
Regulated By:	UTNKA
Regulated ID:	00003503
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8180000000
Mail To:	Not reported
Mailing Address:	657 S ATLANTIC BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	E LOS ANGELES 90022
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

F43 **CYCLE PARTS** **CERS HAZ WASTE** **S113026261**
NE **400 S ATLANTIC BLVD** **HAZNET** **N/A**
1/8-1/4 **LOS ANGELES, CA 90022** **CERS**
0.144 mi. **HWTS**
762 ft. **Site 7 of 8 in cluster F**

Relative: Higher

Actual: 226 ft.

CERS HAZ WASTE:

Name:	CYCLE PARTS INC
Address:	400 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 90022
Site ID:	109815
CERS ID:	10263202
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	CYCLE PARTS
Address:	400 S ATLANTIC BLVD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900220000
Contact:	JOHN QUESADA
Telephone:	2133057628
Mailing Name:	Not reported
Mailing Address:	400 S ATLANTIC BLVD
Year:	2008
Gepaid:	CAL000013567
TSD EPA ID:	CAD093459485
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	-
Tons:	0.2016
Year:	2006
Gepaid:	CAL000013567
TSD EPA ID:	CAT000613976

CYCLE PARTS (Continued) **S113026261**

CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: H01 - Transfer Station
Tons: 0.10425

Year: 2003
Gepaid: CAL000013567
TSD EPA ID: CAT000613893
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.105

Year: 1999
Gepaid: CAL000013567
TSD EPA ID: CAT000613893
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.1134

Additional Info:
Year: 1999
Gen EPA ID: CAL000013567

Shipment Date: 19990203
Creation Date: 3/17/1999 0:00:00
Receipt Date: 19990203
Manifest ID: 98673488
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: SCD987574647
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.1134
Waste Quantity: 27
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2003
Gen EPA ID: CAL000013567

Shipment Date: 20031204
Creation Date: 8/9/2004 8:48:13
Receipt Date: 20031208

CYCLE PARTS (Continued) **S113026261**

Manifest ID:	23306302
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.105
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAL000013567
Shipment Date:	20080709
Creation Date:	8/25/2008 18:30:08
Receipt Date:	20080720
Manifest ID:	001229615SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0216
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080417
Creation Date:	6/4/2008 18:30:29
Receipt Date:	20080428
Manifest ID:	001065690SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

CYCLE PARTS (Continued) **S113026261**

TSDF EPA ID: CAD093459485
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: 0.18
Waste Quantity: 50
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2006
Gen EPA ID: CAL000013567

Shipment Date: 20060815
Creation Date: 10/5/2006 18:32:35
Receipt Date: 20060818
Manifest ID: 24373736
Trans EPA ID: TXR000050930
Trans Name: SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613976
Trans Name: SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID: CAT000613976
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: D001
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0417
Waste Quantity: 10
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20060228
Creation Date: 7/5/2006 12:04:51
Receipt Date: 20060307
Manifest ID: 24366870
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613976
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: CAT000613976
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l

CYCLE PARTS (Continued) **S113026261**

RCRA Code: D001
Meth Code: H01 - Transfer Station
Quantity Tons: 0.06255
Waste Quantity: 15
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: CYCLE PARTS INC
Address: 400 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 109815
CERS ID: 10263202
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 109815
Site Name: CYCLE PARTS INC
Violation Date: 10-01-2014
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 04/23/2015. OBSERVATION: The owner/operator submitted a business plan which requires correction. CORRECTIVE ACTION: Submit the business plan electronically in the California Environmental Reporting System (CERS) and implement immediately. Make all necessary corrections to CERS submittals by November 1, 2014. Provide corrections to Business Activities and Site Map. Submit a Emergency Response/Contingency Plan and Employee training plan. .
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 109815
Site Name: CYCLE PARTS INC
Violation Date: 05-23-2019
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 05/23/2019. OBSERVATION: 1 x 55 gallon drum of used oil and fuel filters located in the haz wste area] were observed WITHOUT A LABEL, WITHOUT AN ACCUMULATION START DATE / WITH AN ACCUMULATED START DATE OF (DATE)]. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the used oil and fuel filters are being properly managed or submit a bill of lading to this department demonstrating proper disposal. Corrected on site
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

CYCLE PARTS (Continued) **S113026261**

Site ID: 109815
Site Name: CYCLE PARTS INC
Violation Date: 05-18-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Training - General
Violation Notes: Returned to compliance on 07/24/2017. OBSERVATION: This facilityG s EPA ID number is inactive. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. CORRECTIVE ACTION: Immediately contact DTSC and reactivate your EPA ID number and submit evidence to the cupa.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 109815
Site Name: CYCLE PARTS INC
Violation Date: 05-18-2016
Citation: 22 CCR 31 67100.8 - California Code of Regulations, Title 22, Chapter 31, Section(s) 67100.8
Violation Description: Failure of the generator to prepare a hazardous waste management performance report every four years. The report shall contain sufficient detail to convey an understanding of the hazardous waste management approaches used at the site, using narratives, photographs, illustrations, figures or data as necessary, which includes, at a minimum, all of the following: 1) Name and location of the site 2) Four digit SIC code(s) for the site 3) All of the following information for each waste stream identified: A) An estimate, in pounds, of the quantity of hazardous waste generated and the quantity of hazardous waste managed, both onsite and offsite, during the current reporting year and the baseline year; B) A description of current hazardous waste management approaches and identification of all approaches implemented since the baseline year; C) An assessment of the effect, since the baseline year, of each implemented hazardous waste management approach on the weight of hazardous waste generated, the properties which cause it to be classified as a hazardous waste and/or the onsite and offsite management of hazardous waste. The report shall consider, but shall not be limited to all of the following approaches: 1. Source reduction; 2. Onsite or offsite recycling; 3. Onsite or offsite treatment; and D) A description of factors during the current reporting year that have affected hazardous waste generation and onsite and offsite hazardous waste management since the baseline year, including, but not limited to, any of the following: 1. Changes in business activity; 2. Changes in waste classification; 3. Natural phenomena and; 4. Other factors that have affected either the quantity of hazardous waste generated or onsite and offsite hazardous waste management requirements.
Violation Notes: Returned to compliance on 06/17/2016. OBSERVATION: MISSING REQUIRED LABEL ON USED OIL TOTE. CORRECTED ON-SITE. All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.
Violation Division: Los Angeles County Fire Department

CYCLE PARTS (Continued) **S113026261**

Violation Program: HW
Violation Source: CERS

Site ID: 109815
Site Name: CYCLE PARTS INC
Violation Date: 05-23-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 05/23/2019. OBSERVATION: several 55 gallon drums, one for used oil and one for used coolant not labeled properly and 1 x 250 g tote observed label worn out nd not complete. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 109815
Site Name: CYCLE PARTS INC
Violation Date: 05-23-2019
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/07/2019. observed oily residue around the haz waste tote. Corrective Action: clean and maintain clean free of oil residue around the tote area.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 109815
Site Name: CYCLE PARTS INC
Violation Date: 05-18-2016
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/22/2017. OBSERVATION: A business plan has not been received by the CUPA FOR 2016. CORRECTIVE ACTION: Submit the business plan electronically in the California Environmental Reporting System (CERS) and implement immediately.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 109815
Site Name: CYCLE PARTS INC
Violation Date: 05-23-2019
Citation: HSC 6.5 25144.6 (b) - California Health and Safety Code, Chapter 6.5, Section(s) 25144.6 (b)
Violation Description: Failure to properly manage reusable soiled textile materials prior to

CYCLE PARTS (Continued) **S113026261**

being sent for laundering.
Violation Notes: Returned to compliance on 05/23/2019. OBSERVATION: Reusable soiled textiles being managed on site were observed soiled soaked with oil sitting on top of tote 25144.6(b)]. CORRECTIVE ACTION: Submit documention to the CUPA demonstrating that you are properly managing reusable soiled textiles in accordance with HSC 25144.6(b).
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 109815
Site Name: CYCLE PARTS INC
Violation Date: 05-18-2016
Citation: 22 CCR 15 66265.174 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.174
Violation Description: Failure to inspect hazardous waste storage areas at least weekly.
Violation Notes: Returned to compliance on 06/29/2017. OBSERVATION: BILL OF LADING FOR SPENT LEAD ACID BATTERIES WAS NOT AVAILABLE. Generator failed to properly manage, store, and/or label a damaged lead acid batteries so as to minimize the release of acid and lead and to protect the environment. CORRECTIVE ACTION: Owner/Operator shall immediately manage, store, and label all damaged lead-acid batteries in accordance with Title 22 regulations.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 109815
Site Name: CYCLE PARTS INC
Violation Date: 10-01-2014
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain and/or maintain an Active EPA ID.
Violation Notes: Returned to compliance on 10/21/2014. OBSERVATION: This facility does not have a valid EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. CORRECTIVE ACTION: Immediately obtain an EPA ID number through DTSC to manage hazardous waste and submit evidence to the CUPA by November 1, 2014.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-23-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: John Quesada, Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-24-2017
Violations Found: No

CYCLE PARTS (Continued) **S113026261**

Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-01-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: John Quesada
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-23-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: John Quesada, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-23-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: John Quesada, Owner
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-24-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-22-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department

CYCLE PARTS (Continued) **S113026261**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-24-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-01-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: John Quesada
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-21-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: John Quesada, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-15-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 06-21-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: John Quesada, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

CYCLE PARTS (Continued) **S113026261**

Eval General Type: Other/Unknown
Eval Date: 06-29-2017
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 109815
Facility Name: CYCLE PARTS INC
Env Int Type Code: HWG
Program ID: 10263202
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 34.029230
Longitude: -118.154240

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: ARMANDO QUESADA
Entity Title: Not reported
Affiliation Address: 400 S ATLANTIC BLVD
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90022
Affiliation Phone: (323) 264-4107

Affiliation Type Desc: Parent Corporation
Entity Name: CYCLE PARTS INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 400 S ATLANTIC BLVD
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90022
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: JOHN QUESADA
Entity Title: Not reported
Affiliation Address: 400 S. ATLANTIC BLVD
Affiliation City: LOS ANGELES
Affiliation State: CA

CYCLE PARTS (Continued) **S113026261**

Affiliation Country: Not reported
Affiliation Zip: 90022
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: JOHN QUESADA
Entity Title: MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire
Entity Title: Not reported
Affiliation Address: 5825 Rickenbacker Road
Affiliation City: Commerce
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90040-3027
Affiliation Phone: (323) 890-4000

Affiliation Type Desc: Document Preparer
Entity Name: JOHN QUESADA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: JOHN QUESADA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (323) 264-4107

HWTS:
Name: CYCLE PARTS
Address: 400 S ATLANTIC BLVD
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900220000
EPA ID: CAL000013567
Inactive Date: 06/30/2020
Create Date: 11/14/1989
Last Act Date: 01/04/2021
Mailing Name: Not reported
Mailing Address: 400 S ATLANTIC BLVD
Mailing Address 2: Not reported

CYCLE PARTS (Continued) **S113026261**

Mailing City,State,Zip:	LOS ANGELES, CA 900222618
Owner Name:	QUESADA ARMANDO-OWNER
Owner Address:	764 FINDLAY AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	MONTEBELLO, CA 906401545
Contact Name:	JOHN QUESADA MANAGER
Contact Address:	400 S ATLANTIC BLVD
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90022

NAICS:

EPA ID:	CAL000013567
Create Date:	2003-02-07 15:29:11.030
NAICS Code:	81131
NAICS Description:	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance
Issued EPA ID Date:	1989-11-14 00:00:00
Inactive Date:	2020-06-30 00:00:00
Facility Name:	CYCLE PARTS
Facility Address:	400 S ATLANTIC BLVD
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900220000

F44 **CYCLE PARTS** **RCRA NonGen / NLR** **1024786170**
NE **400 S ATLANTIC BLVD** **CAL000013567**
1/8-1/4 **LOS ANGELES, CA 90022**
0.144 mi.
762 ft. **Site 8 of 8 in cluster F**

Relative: **Higher**
Actual: **226 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		19891114
Handler Name:	CYCLE PARTS	
Handler Address:		400 S ATLANTIC BLVD
Handler City,State,Zip:		LOS ANGELES, CA 90022-0000
EPA ID:		CAL000013567
Contact Name:		JOHN QUESADA MANAGER
Contact Address:		400 S ATLANTIC BLVD
Contact City,State,Zip:		LOS ANGELES, CA 90022-0000
Contact Telephone:		323-264-4107
Contact Fax:		000-000-0000
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		400 S ATLANTIC BLVD
Mailing City,State,Zip:		LOS ANGELES, CA 90022-2618
Owner Name:		QUESADA ARMANDO-OWNER

CYCLE PARTS (Continued) **1024786170**

Owner Type:	Other
Operator Name:	JOHN QUESADA MANAGER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

CYCLE PARTS (Continued) **1024786170**

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOHN QUESADA MANAGER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	400 S ATLANTIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022-0000
Owner/Operator Telephone:	323-264-4107
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	QUESADA ARMANDO-OWNER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	764 FINDLAY AVE
Owner/Operator City,State,Zip:	MONTEBELLO, CA 90640-1545
Owner/Operator Telephone:	323-726-9310
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19891114
Handler Name: CYCLE PARTS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	81131
NAICS Description:	COMMERCIAL AND INDUSTRIAL MACHINERY AND EQUIPMENT (EXCEPT AUTOMOTIVE AND ELECTRONIC) REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

H45 **LA USD 4TH ST EL** **RCRA-SQG** **1000427654**
ENE **420 S AMALIA AVE** **FINDS** **CAD981980014**
1/8-1/4 **LOS ANGELES, CA 90022**
0.160 mi.
845 ft. **Site 1 of 2 in cluster H**

Relative: **Higher**
Actual: **225 ft.**

RCRA-SQG:

Date Form Received by Agency:		19870409
Handler Name:	LA USD 4TH ST EL	
Handler Address:		420 S AMALIA AVE
Handler City,State,Zip:		LOS ANGELES, CA 90022
EPA ID:		CAD981980014
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		420 S AMALIA AVE
Contact City,State,Zip:		LOS ANGELES, CA 90022
Contact Telephone:		213-742-7371
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		3
Mailing Address:		1425 S SAN PEDRO RM 215
Mailing City,State,Zip:		LOS ANGELES, CA 90015
Owner Name:		LA USD
Owner Type:		Municipal
Operator Name:		NOT REQUIRED
Operator Type:		Municipal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

LA USD 4TH ST EL (Continued) **1000427654**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LA USD
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

LA USD 4TH ST EL (Continued) **1000427654**

Historic Generators:
Receive Date: 19870409
Handler Name: LA USD 4TH ST EL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002763180

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

I46 **BROTMAN AUTO CENTER** **RCRA NonGen / NLR** **1024800958**
NE **395 S ATLANTIC BLVD** **CAL000223632**
1/8-1/4 **LOS ANGELES, CA 90022**
0.163 mi.
860 ft. **Site 1 of 7 in cluster I**

Relative: **Higher**
Actual: **227 ft.**

RCRA NonGen / NLR:
Date Form Received by Agency: 20010720
Handler Name: BROTMAN AUTO CENTER
Handler Address: 395 S ATLANTIC BLVD
Handler City,State,Zip: LOS ANGELES, CA 90022-0000
EPA ID: CAL000223632
Contact Name: GUS VALDIVIA BUS MGR

BROTMAN AUTO CENTER (Continued) **1024800958**

Contact Address:	392 S ATLANTIC BLVD
Contact City,State,Zip:	LOS ANGELES, CA 90022
Contact Telephone:	323-251-4411
Contact Fax:	000-000-0000
Contact Email:	GVALDIVIA@BROTMANAUTOBODY.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	392 S ATLANTIC BLVD
Mailing City,State,Zip:	LOS ANGELES, CA 90022-2017
Owner Name:	GREG ROGERS
Owner Type:	Other
Operator Name:	GUS VALDIVIA BUS MGR
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

BROTMAN AUTO CENTER (Continued) **1024800958**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GREG ROGERS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	392 S ATLANTIC BL
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022-2017
Owner/Operator Telephone:	323-780-8684
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUS VALDIVIA BUS MGR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	392 S ATLANTIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022
Owner/Operator Telephone:	323-251-4411
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20010720
Handler Name: BROTMAN AUTO CENTER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

BROTMAN AUTO CENTER (Continued) **1024800958**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I47 **BROTMAN AUTO CENTER** **CERS HAZ WASTE** **S121018599**
NE **395 S ATLANTIC BLVD** **HAZNET** **N/A**
1/8-1/4 **LOS ANGELES, CA 90022** **CERS**
0.163 mi. **HWTS**
860 ft. **Site 2 of 7 in cluster I**

Relative:
Higher

Actual:
227 ft.

CERS HAZ WASTE:
Name: BROTMAN AUTO CENTER
Address: 395 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 13723
CERS ID: 10269304
CERS Description: Hazardous Waste Generator

HAZNET:
Name: BROTMAN AUTO CENTER
Address: 395 S ATLANTIC BLVD
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900222017
Contact: GUS VALDIVIA BUS MGR
Telephone: 3232514411
Mailing Name: Not reported
Mailing Address: 392 S ATLANTIC BLVD

Year: 2019
Gepaid: CAL000223632
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.00000

Year: 2018
Gepaid: CAL000223632
TSD EPA ID: CAD008252405
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.18000

Year: 2018
Gepaid: CAL000223632

BROTMAN AUTO CENTER (Continued) **S121018599**

TSD EPA ID: NVT330010000
CA Waste Code: 291 - Latex waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.95000

Year: 2017
Gepaid: CAL000223632
TSD EPA ID: CAD008252405
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.198

Year: 2017
Gepaid: CAL000223632
TSD EPA ID: NVT330010000
CA Waste Code: 291 - Latex waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 1.325

Year: 2017
Gepaid: CAL000223632
TSD EPA ID: AZR000501510
CA Waste Code: 291 - Latex waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.9

Year: 2017
Gepaid: CAL000223632
TSD EPA ID: CAD008252405
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.18

Year: 2017
Gepaid: CAL000223632
TSD EPA ID: CAD099452708
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.76

Year: 2017
Gepaid: CAL000223632
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.76

Year: 2016
Gepaid: CAL000223632
TSD EPA ID: AZR000501510
CA Waste Code: 291 - Latex waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No

BROTMAN AUTO CENTER (Continued) **S121018599**

Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.7

Click this hyperlink while viewing on your computer to access
1 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2017
Gen EPA ID:	CAL000223632
Shipment Date:	20171220
Creation Date:	10/16/2018 18:31:31
Receipt Date:	20171228
Manifest ID:	017548005JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESORCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.18
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171220
Creation Date:	10/18/2018 18:30:10
Receipt Date:	20171222
Manifest ID:	017548006JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

BROTMAN AUTO CENTER (Continued) **S121018599**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171207
Creation Date:	7/5/2018 18:32:15
Receipt Date:	20171215
Manifest ID:	016092453JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171117
Creation Date:	7/10/2018 18:30:24
Receipt Date:	20171128
Manifest ID:	016092418JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171113
Creation Date:	6/13/2018 18:31:23
Receipt Date:	20171115
Manifest ID:	003417708GBF

BROTMAN AUTO CENTER (Continued) **S121018599**

Trans EPA ID:	CAD982488470
Trans Name:	SWIFT OIL & VACUUM INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171025
Creation Date:	7/10/2018 18:30:19
Receipt Date:	20171101
Manifest ID:	016092352JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171020
Creation Date:	7/10/2018 18:30:24
Receipt Date:	20171026
Manifest ID:	016092339JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported

BROTMAN AUTO CENTER (Continued) **S121018599**

TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170928
Creation Date:	9/29/2018 18:30:10
Receipt Date:	20171011
Manifest ID:	016092593JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170912
Creation Date:	11/1/2018 18:30:30
Receipt Date:	20170921
Manifest ID:	015473108JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200

BROTMAN AUTO CENTER (Continued) **S121018599**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170907
Creation Date:	9/29/2018 18:30:10
Receipt Date:	20170927
Manifest ID:	016092561JJK
Trans EPA ID:	CAR000183574
Trans Name:	ENVIRONMENTAL MANAGEMENT TECHNOLOGIES
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	BROTMAN AUTO CENTER
Address:	395 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 90022
Site ID:	13723
CERS ID:	10269304
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	13723
Site Name:	BROTMAN AUTO CENTER
Violation Date:	05-24-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/24/2019.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	13723
Site Name:	BROTMAN AUTO CENTER
Violation Date:	01-04-2016

BROTMAN AUTO CENTER (Continued) **S121018599**

Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 05/05/2016. OBSERVATION: An Emergency Response Plan and procedures has not been completed and submitted electronically to the CUPA. CORRECTIVE ACTION: Complete the emergency response plan and procedures to include all required content and submit electronically in the California Environmental Reporting System (CERS).
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	13723
Site Name:	BROTMAN AUTO CENTER
Violation Date:	05-24-2019
Citation:	Un-Specified
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General Local Ordinance
Violation Notes:	Returned to compliance on 07/18/2019. OBSERVATION: ACCUMULATED OILY ABSORBENT AROUND THE USED OIL TANK (200GALLON). Mr. Gus Valdivia stated tank will be removed and replaced with smaller container(55 gallon drums) and also will clean the oily absorbents. CORRECTIVE ACTION: Survey nd check if tank has a leak, if so replace with new leak-free tank. and clean all oily absorbents around the tank.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	13723
Site Name:	BROTMAN AUTO CENTER
Violation Date:	01-04-2016
Citation:	22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description:	Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes:	Returned to compliance on 03/02/2016. OBSERVATION: Generator failed to properly handle, manage, label, and/or recycle used oil and fuel filters. Observed 55 gallon drum containing drained oil filters without the required label. Additionally, oil filters accumulating in drum in excess of 1 year. CORRECTIVE ACTION: Owner/Operator shall immediately comply with the Title 22 regulations with regards to the proper handling, management, labeling and recycling of used oil and fuel filters. Verify compliance with the CUPA within 30 days.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	13723
Site Name:	BROTMAN AUTO CENTER
Violation Date:	01-04-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.

BROTMAN AUTO CENTER (Continued) **S121018599**

Violation Notes: Returned to compliance on 05/05/2016. OBSERVATION: The annotated site map has not been completed and submitted to the CUPA. CORRECTIVE ACTION: Complete an annotated site map and submit electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 13723
Site Name: BROTMAN AUTO CENTER
Violation Date: 01-04-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/05/2016. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for the following - 1) 2 x 55 gallon drums containing degreaser. 2) 1 x 55 gallon drum containing soap. 3) 2 x 55 gallon drums containing Super Thick Dressing & Protectant. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Guzman Valdivia, Manager.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-05-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown

BROTMAN AUTO CENTER (Continued) **S121018599**

Eval Date: 03-02-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Gus Valdivia, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Guzman Valdivia, Manager.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Gus Valdivia, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 13723
Facility Name: BROTMAN AUTO CENTER
Env Int Type Code: HWG
Program ID: 10269304
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 34.029630
Longitude: -118.154550

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: guzman valdivia
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

BROTMAN AUTO CENTER (Continued) **S121018599**

Affiliation Type Desc:	Environmental Contact
Entity Name:	GUS VALDIVIA
Entity Title:	Not reported
Affiliation Address:	395 S ATLANTIC
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	395 S ATLANTIC BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	GREG ROGERS
Entity Title:	Not reported
Affiliation Address:	395 S ATLANTIC
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90022
Affiliation Phone:	(323) 269-9350

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000

Affiliation Type Desc:	Identification Signer
Entity Name:	guzman valdivia
Entity Title:	bus mng
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	GREG ROGERS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

BROTMAN AUTO CENTER (Continued) **S121018599**

Affiliation Zip: Not reported
Affiliation Phone: (323) 251-4411

Affiliation Type Desc: Parent Corporation
Entity Name: BROTMAN AUTO CENTER
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: BROTMAN AUTO CENTER
Address: 395 S ATLANTIC BLVD
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900220000
EPA ID: CAL000223632
Inactive Date: Not reported
Create Date: 07/20/2001
Last Act Date: 01/19/2021
Mailing Name: Not reported
Mailing Address: 392 S ATLANTIC BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 900222017
Owner Name: GREG ROGERS
Owner Address: 392 S ATLANTIC BL
Owner Address 2: Not reported
Owner City,State,Zip: LOS ANGELES, CA 900222017
Contact Name: GUS VALDIVIA BUS MGR
Contact Address: 392 S ATLANTIC BLVD
Contact Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90022

NAICS:
EPA ID: CAL000223632
Create Date: 2002-03-14 16:36:29.000
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2001-07-20 00:00:00
Inactive Date: Not reported
Facility Name: BROTMAN AUTO CENTER
Facility Address: 395 S ATLANTIC BLVD
Facility Address 2: Not reported
Facility City: LOS ANGELES
Facility County: Not reported
Facility State: CA
Facility Zip: 900220000

G48 **J AND J FORD INC** **RCRA-SQG** **1000594505**
SSE **668 S ATLANTIC BLVD** **FINDS** **CAD983583378**
1/8-1/4 **LOS ANGELES, CA 90022** **ECHO**
0.163 mi. **HAZNET**
863 ft. **Site 4 of 8 in cluster G** **LOS ANGELES CO. HMS**
HWTS

Relative:
Lower

Actual:
203 ft.

RCRA-SQG:

Date Form Received by Agency:		19930503
Handler Name:	J AND J FORD INC	
Handler Address:		668 S ATLANTIC BLVD
Handler City,State,Zip:		LOS ANGELES, CA 90022
EPA ID:		CAD983583378
Contact Name:		LEO BROWN
Contact Address:		668 S ATLANTIC BLVD
Contact City,State,Zip:		LOS ANGELES, CA 90022
Contact Telephone:		213-268-0101
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		668 S ATLANTIC BLVD
Mailing City,State,Zip:		LOS ANGELES, CA 90022
Owner Name:		MARC SPIZZIRRI
Owner Type:		Private
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline

J AND J FORD INC (Continued) **1000594505**

Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MARC SPIZZIRRI
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	668 S ATLANTIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022
Owner/Operator Telephone:	213-268-0101
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19930503
Handler Name: J AND J FORD INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

J AND J FORD INC (Continued) **1000594505**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44111
NAICS Description: NEW CAR DEALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002845100

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000594505
Registry ID: 110002845100
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002845100
Name: J AND J FORD INC
Address: 668 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022

HAZNET:
Name: J AND J FORD INC
Address: 668 S ATLANTIC BLVD
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900220000
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 668 S ATLANTIC BLVD

Year: 1997
Gepaid: CAD983583378
TSD EPA ID: CAT080013352
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: R01 - Recycler
Tons: 2.0641

J AND J FORD INC (Continued) **1000594505**

Year: 1996
Gepaid: CAD983583378
TSD EPA ID: CAT080013352
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: R01 - Recycler
Tons: 6.6092

Year: 1995
Gepaid: CAD983583378
TSD EPA ID: CAT080013352
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: R01 - Recycler
Tons: 2.919

Year: 1995
Gepaid: CAD983583378
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 2.814

Year: 1994
Gepaid: CAD983583378
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 5.859

Year: 1994
Gepaid: CAD983583378
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: -
Tons: 0.609

Year: 1993
Gepaid: CAD983583378
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 2.436

Year: 1993
Gepaid: CAD983583378
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: -
Tons: 7.923

Year: 1993
Gepaid: CAD983583378
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: R01 - Recycler
Tons: 10.008

J AND J FORD INC (Continued) **1000594505**

Additional Info:

Year:	1996
Gen EPA ID:	CAD983583378
Shipment Date:	19961209
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19961209
Manifest ID:	96789839
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.0842
Waste Quantity:	260
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961011
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961012
Manifest ID:	96347318
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.9382
Waste Quantity:	225
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960903
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960904
Manifest ID:	96002429
Trans EPA ID:	CAD028277036

J AND J FORD INC (Continued) **1000594505**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960731
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960731
Manifest ID:	96008384
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.7297
Waste Quantity:	175
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960624
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960624
Manifest ID:	95810360
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported

J AND J FORD INC (Continued) **1000594505**

Meth Code:	R01 - Recycler
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960520
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960520
Manifest ID:	96010053
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960410
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960411
Manifest ID:	95812174
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.0216
Waste Quantity:	245
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

J AND J FORD INC (Continued) **1000594505**

Shipment Date:	19960223
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960226
Manifest ID:	95811503
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD983583378

Shipment Date:	19951221
Creation Date:	9/18/1996 0:00:00
Receipt Date:	19951221
Manifest ID:	95398316
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951005
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951005
Manifest ID:	95397287
Trans EPA ID:	CAD028277036

J AND J FORD INC (Continued) **1000594505**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950809
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950809
Manifest ID:	95489227
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950605
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950606
Manifest ID:	95496261
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported

J AND J FORD INC (Continued) **1000594505**

Meth Code:	R01 - Recycler
Quantity Tons:	0.63
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950508
Creation Date:	10/24/1995 0:00:00
Receipt Date:	19950509
Manifest ID:	95127919
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.924
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950315
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950316
Manifest ID:	95242094
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

J AND J FORD INC (Continued) **1000594505**

Additional Info:

Year:	1994
Gen EPA ID:	CAD983583378
Shipment Date:	19941229
Creation Date:	10/20/1995 0:00:00
Receipt Date:	19941229
Manifest ID:	93697451
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941021
Creation Date:	10/19/1995 0:00:00
Receipt Date:	19941021
Manifest ID:	93702371
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.693
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940913
Creation Date:	10/17/1995 0:00:00
Receipt Date:	19940913
Manifest ID:	93694559
Trans EPA ID:	CAD028277036

J AND J FORD INC (Continued) **1000594505**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.546
Waste Quantity:	130
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940817
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940817
Manifest ID:	93722814
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.63
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940711
Creation Date:	10/16/1995 0:00:00
Receipt Date:	19940711
Manifest ID:	93717934
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported

J AND J FORD INC (Continued) **1000594505**

Meth Code:	R01 - Recycler
Quantity Tons:	0.693
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940523
Creation Date:	10/5/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	93715419
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.609
Waste Quantity:	145
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940412
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940412
Manifest ID:	93327842
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

J AND J FORD INC (Continued) **1000594505**

Shipment Date:	19940315
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940315
Manifest ID:	93322264
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.525
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940215
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19940215
Manifest ID:	93322492
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940117
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19940117
Manifest ID:	93325651
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

J AND J FORD INC (Continued) **1000594505**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.588
Waste Quantity:	140
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD983583378
Shipment Date:	19931123
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931123
Manifest ID:	93151871
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.63
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931012
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19931012
Manifest ID:	93149390
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported

J AND J FORD INC (Continued) **1000594505**

Meth Code:	R01 - Recycler
Quantity Tons:	0.546
Waste Quantity:	130
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930430
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930430
Manifest ID:	92783378
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930430
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930430
Manifest ID:	92783406
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	10.008
Waste Quantity:	2400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

J AND J FORD INC (Continued) **1000594505**

Shipment Date:	19930118
Creation Date:	9/5/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92784844
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	7.923
Waste Quantity:	1900
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD983583378

Shipment Date:	19970226
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970227
Manifest ID:	96785217
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970206
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970207
Manifest ID:	96791079
Trans EPA ID:	CAD028277036

J AND J FORD INC (Continued) **1000594505**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970123
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970124
Manifest ID:	96784831
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOS ANGELES CO. HMS:

Name:	CITY FORD
Address:	668 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 90022
Region:	LA
Permit Category:	I
Facility Id:	003498-I03618
Facility Type:	01
Facility Status:	Closed
Area:	39
Permit Number:	000008833
Permit Status:	Closed

Name: CITY FORD

J AND J FORD INC (Continued) **1000594505**

Address: 668 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Region: LA
Permit Category: I
Facility Id: 003498-I03618
Facility Type: 01
Facility Status: Closed
Area: 39
Permit Number: 000008834
Permit Status: Closed

Name: CITY FORD
Address: 668 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Region: LA
Permit Category: I
Facility Id: 003498-I03618
Facility Type: 01
Facility Status: Closed
Area: 39
Permit Number: 000069894
Permit Status: Closed

Name: CITY FORD
Address: 668 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Region: LA
Permit Category: I
Facility Id: 003498-I03618
Facility Type: 01
Facility Status: Closed
Area: 39
Permit Number: 000069895
Permit Status: Closed

HWTS:

Name:	J AND J FORD INC
Address:	668 S ATLANTIC BLVD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900220000
EPA ID:	CAD983583378
Inactive Date:	06/01/1997
Create Date:	06/06/1991
Last Act Date:	08/10/2004
Mailing Name:	Not reported
Mailing Address:	668 S ATLANTIC BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900220000
Owner Name:	MARC SPIZZIRRI
Owner Address:	668 S ATLANTIC BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA --
Contact Name:	--
Contact Address:	CANX VQ98
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

I49 **UZETA AMC** **LUST** **S100927114**
NE **377 ATLANTIC BLVD S** **Cortese** **N/A**
1/8-1/4 **LOS ANGELES, CA 90022** **HIST CORTESE**
0.169 mi. **CERS**
890 ft. **Site 3 of 7 in cluster I**

Relative:
Higher

Actual:
228 ft.

LUST:

Name:	UZETA AMC
Address:	377 ATLANTIC BLVD S
City,State,Zip:	LOS ANGELES, CA 90022
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704575
Global Id:	T0603704575
Latitude:	34.0300672
Longitude:	-118.15447
Status:	Completed - Case Closed
Status Date:	12/01/1993
Case Worker:	JOA
RB Case Number:	R-01787
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

LUST:

Global Id:	T0603704575
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704575
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704575
Action Type:	Other
Date:	12/01/1993
Action:	Leak Reported

LUST:

Global Id:	T0603704575
Status:	Completed - Case Closed
Status Date:	12/01/1993

Global Id:	T0603704575
Status:	Open - Case Begin Date

UZETA AMC (Continued) **S100927114**

Status Date: 12/01/1993

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-01787	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704575	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	COMMONWEALTH AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		12/1/1993
Date Leak Record Entered:	4/15/1996	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		12/1/1993
Date the Case was Closed:		12/1/1993
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1800.009239886911145225284 6818
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	10433 WEST WILSHIRE BLVD LA CA 90024	
Program:	LUST	
Lat/Long:	34.0300672 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	

UZETA AMC (Continued) **S100927114**

Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: THG 735D5-UNINCORPORATED AREA

CORTESE:
Name: UZETA AMC
Address: 377 ATLANTIC BLVD S
City,State,Zip: LOS ANGELES, CA 90022
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603704575
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: UZETA AMC
edr_fadd1: 377 ATLANTIC
City,State,Zip: LOS ANGELES, CA
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-01787

CERS:
Name: UZETA AMC
Address: 377 ATLANTIC BLVD S
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 241338
CERS ID: T0603704575
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA

UZETA AMC (Continued) **S100927114**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

G50 **FREEWAY FORD** **SWEEPS UST** **S101617251**
SSE **666 S ATLANTIC BLVD** **CA FID UST** **N/A**
1/8-1/4 **LOS ANGELES, CA 90022**
0.173 mi.
913 ft. **Site 5 of 8 in cluster G**

Relative: **Lower**

Actual: **202 ft.**

SWEEPS UST:
Name: FREEWAY FORD
Address: 666 S ATLANTIC BLVD
City: LOS ANGELES
Status: Not reported
Comp Number: 3618
Number: Not reported
Board Of Equalization: 44-007748
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003618-000001
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Name: FREEWAY FORD
Address: 666 S ATLANTIC BLVD
City: LOS ANGELES
Status: Not reported
Comp Number: 3618
Number: Not reported
Board Of Equalization: 44-007748
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-003618-000002
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: OIL

FREEWAY FORD (Continued) **S101617251**

STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19003108
Regulated By: UTNKI
Regulated ID: 00019011
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: 1584 COBAN RD
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 90022
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

G51 **FREEWAY FORD** **LUST** **S105033869**
SSE **666 ATLANTIC BLVD S** **Cortese** **N/A**
1/8-1/4 **EAST LOS ANGELES, CA 90022** **CERS**
0.173 mi.
913 ft. **Site 6 of 8 in cluster G**

Relative:
Lower

Actual:
202 ft.

LUST:
Name: FREEWAY FORD
Address: 666 ATLANTIC BLVD S
City,State,Zip: EAST LOS ANGELES, CA 90022
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704619
Global Id: T0603704619
Latitude: 34.022912
Longitude: -118.15615
Status: Completed - Case Closed
Status Date: 09/19/1995
Case Worker: JOA
RB Case Number: R-03618
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603704619
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov

FREEWAY FORD (Continued) **S105033869**

Phone Number: 6264583507

Global Id: T0603704619
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704619
Action Type: Other
Date: 04/22/1991
Action: Leak Reported

Global Id: T0603704619
Action Type: Other
Date: 02/26/1991
Action: Leak Stopped

Global Id: T0603704619
Action Type: Other
Date: 02/26/1991
Action: Leak Discovery

LUST:
Global Id: T0603704619
Status: Open - Case Begin Date
Status Date: 12/27/1990

Global Id: T0603704619
Status: Open - Site Assessment
Status Date: 12/27/1990

Global Id: T0603704619
Status: Open - Site Assessment
Status Date: 02/26/1991

Global Id: T0603704619
Status: Open - Remediation
Status Date: 09/11/1991

Global Id: T0603704619
Status: Completed - Case Closed
Status Date: 09/19/1995

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-03618
Status: Case Closed
Substance: Gasoline

FREEWAY FORD (Continued) **S105033869**

Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704619	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	HUBBARD ST.	
Enforcement Type:	Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters	
Date Leak Discovered:	2/26/1991	
Date Leak First Reported:		4/22/1991
Date Leak Record Entered:	5/21/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	2/26/1991	
Date Case Last Changed on Database:		7/6/1993
Date the Case was Closed:		9/19/1995
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		3072.97242906632289283280442 54
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		12/27/1990
Preliminary Site Assessment Began:		2/26/1991
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		9/11/1991
Remedial Action Underway:		9/11/1991
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	FREEWAY FORD	
RP Address:	1584 COBAN RD., LA HABRA, 90631	
Program:	LUST	
Lat/Long:	34.0233075 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

CORTESE:

Name:	FREEWAY FORD
Address:	666 ATLANTIC BLVD S
City,State,Zip:	EAST LOS ANGELES, CA 90022

FREEWAY FORD (Continued) **S105033869**

Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603704619
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	FREEWAY FORD
Address:	666 ATLANTIC BLVD S
City,State,Zip:	EAST LOS ANGELES, CA 90022
Site ID:	226551
CERS ID:	T0603704619
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

G52 **FREEWAY FORD** **HIST CORTESE** **S105024575**
SSE **666 ATLANTIC** **N/A**
1/8-1/4 **LOS ANGELES, CA 90022**
0.173 mi.
913 ft. **Site 7 of 8 in cluster G**

Relative: **Lower**

Actual: **202 ft.**

HIST CORTESE:

edr_fname:	FREEWAY FORD
edr_fadd1:	666 ATLANTIC
City,State,Zip:	LOS ANGELES, CA 90022
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-03618

G53 **FREEWAY FORD** **HIST UST** **U001560928**
SSE **666 S ATLANTIC BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90022**
0.173 mi.
913 ft. **Site 8 of 8 in cluster G**

Relative: **Lower**

Actual: **202 ft.**

HIST UST:

Name:	FREEWAY FORD
Address:	666 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 90022
File Number:	00026910
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026910.pdf
Region:	STATE
Facility ID:	00000019011
Facility Type:	Other
Other Type:	AUTO DEALER
Contact Name:	WILLIAM FORTNER
Telephone:	2132680101
Owner Name:	FREEWAY FORD (CORPORATION)
Owner Address:	666 S ATLANTIC BLVD.
Owner City,St,Zip:	LOS ANGELES, CA 90022
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1965
Tank Capacity:	00001800
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1965
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	1965
Tank Capacity:	00000000

FREEWAY FORD (Continued) **U001560928**

Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 4
Year Installed: 1965
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

I54 **BROTMAN AUTO BODY** **CERS HAZ WASTE** **S113743057**
NE **392 S ATLANTIC BLVD** **EMI** **N/A**
1/8-1/4 **LOS ANGELES, CA 90022** **LOS ANGELES CO. HMS**
0.179 mi. **CERS**
947 ft. **Site 4 of 7 in cluster I**

Relative:
Higher

Actual:
228 ft.

CERS HAZ WASTE:
Name: BROTMAN AUTO BODY CENTER
Address: 392 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 13722
CERS ID: 10269307
CERS Description: Hazardous Waste Generator

EMI:
Name: BROTMAN AUTO BODY
Address: 392 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Year: 2018
County Code: 19
Air Basin: SC
Facility ID: 123114
Air District Name: SC
SIC Code: 7532
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.8641778114
Reactive Organic Gases Tons/Yr: 1.835735075
Carbon Monoxide Emissions Tons/Yr: 0.0240504
NOX - Oxides of Nitrogen Tons/Yr: 0.08933
SOX - Oxides of Sulphur Tons/Yr: 0.000412293
Particulate Matter Tons/Yr: 0.14480365
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0.13921765

Name: BROTMAN AUTO BODY
Address: 392 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Year: 2019
County Code: 19
Air Basin: SC

BROTMAN AUTO BODY (Continued) **S113743057**

Facility ID:	123114
Air District Name:	SC
SIC Code:	7532
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.8741885267
Reactive Organic Gases Tons/Yr:	1.845412955
Carbon Monoxide Emissions Tons/Yr:	0.02556475
NOX - Oxides of Nitrogen Tons/Yr:	0.09495485
SOX - Oxides of Sulphur Tons/Yr:	0.000438253
Particulate Matter Tons/Yr:	0.146913165
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.141255765

LOS ANGELES CO. HMS:

Name:	BROTMAN AUTO BODY
Address:	392 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 900222017
Region:	LA
Permit Category:	I
Facility Id:	005154-024336
Facility Type:	01
Facility Status:	Closed
Area:	39
Permit Number:	000220685
Permit Status:	Closed

CERS:

Name:	BROTMAN AUTO BODY CENTER
Address:	392 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 90022
Site ID:	13722
CERS ID:	10269307
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	13722
Site Name:	BROTMAN AUTO BODY CENTER
Violation Date:	04-01-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 07/11/2016. OBSERVATION: Paint waste, used oil and used coolant stored in 55 gallon drums with out hazardous waste label.. All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

BROTMAN AUTO BODY (Continued) **S113743057**

Site ID: 13722
Site Name: BROTMAN AUTO BODY CENTER
Violation Date: 04-01-2016
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes: Returned to compliance on 07/11/2016. OBSERVATION: Copies of hazardous waste disposal records for paint waste, used coolant and used oil were not found on site. Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily available for review. CORRECTIVE ACTION: Immediately locate a copy of all manifests and receipts for the last three years, maintain them on site, and submit copies to the CUPA by 5/1/2016.
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 13722
Site Name: BROTMAN AUTO BODY CENTER
Violation Date: 05-24-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 05/24/2019. OBSERVATION: several 55 gallon drum] of haz waste located in the haz waste area was observed without a hazardous waste label. CORRECTIVE ACTION: Submit a photo to the CUPA demonstrating that the container listed above has been properly labeled. CORRECTED ON SITE
Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 13722
Site Name: BROTMAN AUTO BODY CENTER
Violation Date: 04-01-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/11/2016. OBSERVATION: The annotated site map submitted to the CUPA does not include evacuation area and the address of the facility in the heading. CORRECTIVE ACTION: Revise the annotated Site Map to include all required content and submit electronically in the California Environmental Reporting System (CERS).
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 13722

BROTMAN AUTO BODY (Continued) **S113743057**

Site Name: BROTMAN AUTO BODY CENTER
Violation Date: 05-24-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/24/2019.
Violation Division: Los Angeles County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-01-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to do inspection was given by Guzman Valdivia
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Gus Valdivia, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 07-11-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-01-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Consent to do inspection was given by Guzman Valdivia
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

BROTMAN AUTO BODY (Continued) **S113743057**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-24-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Gus Valdivia, Manager
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	13722
Facility Name:	BROTMAN AUTO BODY CENTER
Env Int Type Code:	HWG
Program ID:	10269307
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	34.029880
Longitude:	-118.154050

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	guzman valdivia
Entity Title:	bus mng
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Document Preparer
Entity Name:	GUS VALDIVIA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	GUS VALDIVIA
Entity Title:	Not reported
Affiliation Address:	392 S ATLANTIC BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	BROTMAN AUTO CENTER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

BROTMAN AUTO BODY (Continued) **S113743057**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	GREG ROGERS
Entity Title:	Not reported
Affiliation Address:	392 S. ATLANTIC BLVD.
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90022
Affiliation Phone:	(213) 804-2186
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	392 S ATLANTIC BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	GUS VALDIVIA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(323) 251-4411

I55 **GNC AUTO CTR INC DBA BROTMAN AUTO BODY** **RCRA NonGen / NLR** **1024794990**
NE **392 SOUTH ATLANTIC BLVD** **CAL000158015**
1/8-1/4 **LOS ANGELES, CA 90022**
0.179 mi.
947 ft. **Site 5 of 7 in cluster I**

Relative: **Higher**

Actual: **228 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	19970319
Handler Name:	GNC AUTO CTR INC DBA BROTMAN AUTO BODY
Handler Address:	392 SOUTH ATLANTIC BLVD
Handler City,State,Zip:	LOS ANGELES, CA 90022-0000
EPA ID:	CAL000158015
Contact Name:	GUS VALDIVIA BUS MGR

GNC AUTO CTR INC DBA BROTMAN AUTO BODY (Continued) **1024794990**

Contact Address:	392 S ATLANTIC BLVD
Contact City,State,Zip:	LOS ANGELES, CA 90022
Contact Telephone:	323-251-4411
Contact Fax:	000-000-0000
Contact Email:	GVALDIVIA@BROTMANAUTOBODY.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	392 S ATLANTIC BLVD
Mailing City,State,Zip:	LOS ANGELES, CA 90022-2017
Owner Name:	GREG ROGERS
Owner Type:	Other
Operator Name:	GUS VALDIVIA BUS MGR
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

GNC AUTO CTR INC DBA BROTMAN AUTO BODY (Continued) **1024794990**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GREG ROGERS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	392 S ATLANTIC BL
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022-2017
Owner/Operator Telephone:	323-780-8684
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUS VALDIVIA BUS MGR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	392 S ATLANTIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022
Owner/Operator Telephone:	323-251-4411
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19970319
Handler Name:	GNC AUTO CTR INC DBA BROTMAN AUTO BODY
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

GNC AUTO CTR INC DBA BROTMAN AUTO BODY (Continued) **1024794990**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I56 **CONSOLIDATED FREIGHTWAYS** **SWEEPS UST** **S101585115**
NE **392 S ATLANTIC BLVD** **CA FID UST** **N/A**
1/8-1/4 **E LOS ANGELES, CA 90022**
0.179 mi.
947 ft. **Site 6 of 7 in cluster I**

Relative:
Higher

Actual:
228 ft.

SWEEPS UST:
Name: CONSOLIDATED FREIGHTWAYS
Address: 392 S ATLANTIC BLVD
City: E LOS ANGELES
Status: Active
Comp Number: 12261
Number: 9
Board Of Equalization: Not reported
Referral Date: 03-14-91
Action Date: 03-14-91
Created Date: 06-30-89
Owner Tank Id: Not reported
SWRCB Tank Id: 19-000-012261-000001
Tank Status: A
Capacity: Not reported
Active Date: 06-30-89
Tank Use: UNKNOWN
STG: W
Content: Not reported
Number Of Tanks: 1

CA FID UST:
Facility ID: 19019771
Regulated By: UTNKA
Regulated ID: 00020502
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: E LOS ANGELES 90022
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported

CONSOLIDATED FREIGHTWAYS (Continued) **S101585115**

NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

I57 **BROTMAN AUTOBODY CTR** **RCRA-SQG** **1000414973**
NE **392 S ATLANTIC BLVD** **FINDS** **CAD981368202**
1/8-1/4 **LOS ANGELES, CA 90022** **ECHO**
0.179 mi.
947 ft. **Site 7 of 7 in cluster I**

Relative: **Higher**
Actual: **228 ft.**

RCRA-SQG:

Date Form Received by Agency:		19960901
Handler Name:	BROTMAN AUTOBODY CTR	
Handler Address:		392 S ATLANTIC BLVD
Handler City,State,Zip:		LOS ANGELES, CA 90022
EPA ID:		CAD981368202
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		3
Mailing Address:		S ATLANTIC BLVD
Mailing City,State,Zip:		LOS ANGELES, CA 90022
Owner Name:		BROTMAN AUTOBODY
Owner Type:		Private
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN

BROTMAN AUTOBODY CTR (Continued) **1000414973**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BROTMAN AUTOBODY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED

BROTMAN AUTOBODY CTR (Continued) **1000414973**

Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: BROTMAN AUTOBODY CTR
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002682446

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000414973
Registry ID: 110002682446
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002682446
Name: BROTMAN AUTOBODY CTR
Address: 392 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022

58
WNW
1/8-1/4
0.191 mi.
1008 ft.

JAVIER LUNA
500 S FETTERLY
LOS ANGELES, CA 90022

SWEEPS UST
CA FID UST

S101587268
N/A

Relative:
Higher

Actual:
235 ft.

SWEEPS UST:

Name:	JAVIER LUNA
Address:	500 S FETTERLY
City:	LOS ANGELES
Status:	Active
Comp Number:	16584
Number:	3
Board Of Equalization:	Not reported
Referral Date:	02-26-93
Action Date:	02-26-93
Created Date:	02-04-92
Owner Tank Id:	01
SWRCB Tank Id:	19-000-016584-000001
Tank Status:	A
Capacity:	550
Active Date:	02-04-92
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	2

Name:	JAVIER LUNA
Address:	500 S FETTERLY
City:	LOS ANGELES
Status:	Active
Comp Number:	16584
Number:	3
Board Of Equalization:	Not reported
Referral Date:	02-26-93
Action Date:	02-26-93
Created Date:	02-04-92
Owner Tank Id:	2
SWRCB Tank Id:	19-000-016584-000002
Tank Status:	A
Capacity:	600
Active Date:	02-04-92
Tank Use:	EMPTY
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19055176
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132698545
Mail To:	Not reported
Mailing Address:	1441 PENNSYLVANIA AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 90022
Contact:	Not reported

JAVIER LUNA (Continued) **S101587268**

Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

59
SE
1/8-1/4
0.202 mi.
1066 ft.

RALPH MORAN PROPERTY **LUST** **S102229389**
4247 003RD ST E **Cortese** **N/A**
EAST LOS ANGELES, CA 90022 **HIST CORTESE**
CERS

Relative:
Lower

Actual:
205 ft.

LUST:
Name: RALPH MORAN PROPERTY
Address: 4247 003RD ST E
City,State,Zip: EAST LOS ANGELES, CA 90022
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704724
Global Id: T0603704724
Latitude: 34.0233255
Longitude: -118.154336
Status: Completed - Case Closed
Status Date: 10/01/1997
Case Worker: JOA
RB Case Number: R-06196
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

LUST:
Global Id: T0603704724
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704724
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704724
Action Type: Other
Date: 10/01/1997
Action: Leak Reported

RALPH MORAN PROPERTY (Continued) **S102229389**

LUST:
Global Id: T0603704724
Status: Completed - Case Closed
Status Date: 10/01/1997

Global Id: T0603704724
Status: Open - Case Begin Date
Status Date: 10/01/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-06196
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704724
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 10/1/1997
Date Leak Record Entered: 7/6/1998
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 10/1/1997
Date the Case was Closed: 10/1/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2757.7782234263026002517012 62
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported

RALPH MORAN PROPERTY (Continued) **S102229389**

Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	MR. RALPH MORAN
RP Address:	212 MONTEREY PASS RD., MONTEREY PARK, CA 91756
Program:	LUST
Lat/Long:	34.0233255 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	CLOSURE APPLICATION #196985

CORTESE:

Name:	RALPH MORAN PROPERTY
Address:	4247 003RD ST E
City,State,Zip:	EAST LOS ANGELES, CA 90022
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603704724
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	RALPH MORAN PROPERTY
edr_fadd1:	4247 003RD
City,State,Zip:	LOS ANGELES, CA 90022
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-06196

CERS:

Name:	RALPH MORAN PROPERTY
Address:	4247 003RD ST E
City,State,Zip:	EAST LOS ANGELES, CA 90022
Site ID:	202320
CERS ID:	T0603704724
CERS Description:	Leaking Underground Storage Tank Cleanup Site

RALPH MORAN PROPERTY (Continued) **S102229389**

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

H60 **CENTRAL REGION EEC NO 2** **RCRA-LQG** **1014915661**
ENE **421 S HILLVIEW AVE** **CAR000221259**
1/8-1/4 **LOS ANGELES, CA 90022**
0.206 mi.
1088 ft. **Site 2 of 2 in cluster H**

Relative: **Higher**

Actual: **227 ft.**

RCRA-LQG:

Date Form Received by Agency:	20110822
Handler Name:	CENTRAL REGION EEC NO 2
Handler Address:	421 S HILLVIEW AVE
Handler City,State,Zip:	LOS ANGELES, CA 90022
EPA ID:	CAR000221259
Contact Name:	SOE AUNG
Contact Address:	333 S BEAUDRY AVE
Contact City,State,Zip:	LOS ANGELES, CA 90017
Contact Telephone:	213-241-3904
Contact Fax:	213-241-6816
Contact Email:	SOE.AUNG@LAUSD.NET
Contact Title:	ENV HEALTH SPVR
EPA Region:	09
Land Type:	District
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	333 S BEAUDRY AVE
Mailing City,State,Zip:	LOS ANGELES, CA 90017
Owner Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Owner Type:	District
Operator Name:	CENTRAL REGION EEC NO 2
Operator Type:	District
Short-Term Generator Activity:	No

CENTRAL REGION EEC NO 2 (Continued) **1014915661**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20110823
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

CENTRAL REGION EEC NO 2 (Continued) **1014915661**

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Legal Status: District
Date Became Current: 20110816
Date Ended Current: Not reported
Owner/Operator Address: 333 S BEAUDRY AVE
Owner/Operator City,State,Zip: LOS ANGELES, CA 90017
Owner/Operator Telephone: 213-241-3199
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CENTRAL REGION EEC NO 2
Legal Status: District
Date Became Current: 20110816
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20110822
Handler Name: CENTRAL REGION EEC NO 2
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 61111
NAICS Description: ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

61
SW
1/8-1/4
0.207 mi.
1093 ft.

MAVRICIO ZEPEDA
681 S FERRIS AVE
E LOS ANGELES, CA 90022

SWEEPS UST **S106929219**
N/A

Relative:
Lower

Actual:
207 ft.

SWEEPS UST:

Name:	MAVRICIO ZEPEDA
Address:	681 S FERRIS AVE
City:	E LOS ANGELES
Status:	Active
Comp Number:	9012
Number:	9
Board Of Equalization:	Not reported
Referral Date:	03-14-91
Action Date:	03-14-91
Created Date:	06-30-89
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

62
NE
1/8-1/4
0.234 mi.
1235 ft.

BROTMAN AUTO BODY
344 S ATLANTIC BLVD
LOS ANGELES, CA 90022

RCRA NonGen / NLR **1024826814**
CAL000355186

Relative:
Higher

Actual:
231 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20100728
Handler Name:	BROTMAN AUTO BODY	
Handler Address:		344 S ATLANTIC BLVD
Handler City,State,Zip:		LOS ANGELES, CA 90022-2018
EPA ID:		CAL000355186
Contact Name:		GUS VALDIVIA BUS MGR
Contact Address:		392 S ATLANTIC BLVD
Contact City,State,Zip:		LOS ANGELES, CA 90022
Contact Telephone:		323-251-4411
Contact Fax:		000-000-0000
Contact Email:		GVALDIVIA@BROTMANAUTOBODY.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		392 S ATLANTIC BLVD
Mailing City,State,Zip:		LOS ANGELES, CA 90022-2017
Owner Name:		GREG ROGERS
Owner Type:		Other
Operator Name:		GUS VALDIVIA BUS MGR

BROTMAN AUTO BODY (Continued) **1024826814**

Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

BROTMAN AUTO BODY (Continued) **1024826814**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GREG ROGERS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	392 S ATLANTIC BL
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022-2017
Owner/Operator Telephone:	323-780-8684
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GUS VALDIVIA BUS MGR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	392 S ATLANTIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022
Owner/Operator Telephone:	323-251-4411
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20100728
Handler Name: BROTMAN AUTO BODY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811121
NAICS Description:	AUTOMOTIVE BODY, PAINT, AND INTERIOR REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

J63 **O'REILLY AUTO PARTS #2998** **RCRA NonGen / NLR** **1024842674**
SSE **722 S ATLANTIC BLVD** **CAL000393314**
1/8-1/4 **EAST LOS ANGELES, CA 90022**
0.237 mi.
1251 ft. **Site 1 of 5 in cluster J**

Relative: **Lower**
Actual: **199 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:	20140122
Handler Name:	O'REILLY AUTO PARTS #2998
Handler Address:	722 S ATLANTIC BLVD
Handler City,State,Zip:	EAST LOS ANGELES, CA 90022
EPA ID:	CAL000393314
Contact Name:	JOHN BOUNDS
Contact Address:	233 S. PATTERSON AVE.
Contact City,State,Zip:	SPRINGFIELD, MO 65802
Contact Telephone:	417-520-4589
Contact Fax:	417-874-7102
Contact Email:	JBOUNDS2@OREILLYAUTO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	233 S PATTERSON
Mailing City,State,Zip:	SPRINGFIELD, MO 65802-0000
Owner Name:	O'REILLY AUTO PARTS
Owner Type:	Other
Operator Name:	JOHN BOUNDS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

O'REILLY AUTO PARTS #2998 (Continued) **1024842674**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	O'REILLY AUTO PARTS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	233 S PATTERSON
Owner/Operator City,State,Zip:	SPRINGFIELD, MO 65802-0000
Owner/Operator Telephone:	417-862-3333
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOHN BOUNDS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	233 S. PATTERSON AVE.
Owner/Operator City,State,Zip:	SPRINGFIELD, MO 65802
Owner/Operator Telephone:	417-520-4589
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

O'REILLY AUTO PARTS #2998 (Continued) **1024842674**

Historic Generators:
Receive Date: 20140122
Handler Name: O'REILLY AUTO PARTS #2998
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44131
NAICS Description: AUTOMOTIVE PARTS AND ACCESSORIES STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J64 **KRAGEN AUTO PARTS** **CERS HAZ WASTE** **S103943898**
SSE **722 S ATLANTIC BLVD** **LOS ANGELES CO. HMS** **N/A**
1/8-1/4 **LOS ANGELES, CA 90022** **CERS**
0.237 mi.
1251 ft. **Site 2 of 5 in cluster J**

Relative:
Lower

Actual:
199 ft.

CERS HAZ WASTE:
Name: O'REILLY AUTO PARTS #2998
Address: 722 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 53075
CERS ID: 10274005
CERS Description: Hazardous Waste Generator

LOS ANGELES CO. HMS:
Name: KRAGEN AUTO PARTS
Address: 722 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Region: LA
Permit Category: Not reported
Facility Id: 019664-027979
Facility Type: Not reported
Facility Status: OPEN
Area: 39
Permit Number: Not reported
Permit Status: Not reported

CERS:
Name: O'REILLY AUTO PARTS #2998
Address: 722 S ATLANTIC BLVD

KRAGEN AUTO PARTS (Continued) **S103943898**

City,State,Zip: LOS ANGELES, CA 90022
Site ID: 53075
CERS ID: 10274005
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-17-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Cecilia Perez, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Cecilia Perez, Manager. No significant violations observed at time of inspection.
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-19-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Cecilia Perez, Manager. No significant violations observed at time of inspection.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-17-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Ceceilia Perez, Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Coordinates:
Site ID: 53075
Facility Name: O'REILLY AUTO PARTS #2998
Env Int Type Code: HWG
Program ID: 10274005
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 34.021910
Longitude: -118.156770

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles County Fire

KRAGEN AUTO PARTS (Continued) **S103943898**

Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Parent Corporation
Entity Name:	O'Reilly Auto Parts
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Jim Zhao, Agent for O'Reilly Auto Enterprises, L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Verisk 3E, Regulatory Department/O'Reilly Auto Parts
Entity Title:	Not reported
Affiliation Address:	3207 Grey Hawk Court, Suite 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	Verisk 3E, Reg. Dept/O'Reilly Auto Parts, 3207 Grey Hawk Ct, Ste 200
Affiliation City:	Carlsbad
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92010
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	O'Reilly Auto Enterprises, L.L.C.
Entity Title:	Not reported
Affiliation Address:	702 E. Bethany Home Road
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85014
Affiliation Phone:	(417) 862-3333

KRAGEN AUTO PARTS (Continued) **S103943898**

Affiliation Type Desc:	Property Owner
Entity Name:	Atlanthub LP
Entity Title:	Not reported
Affiliation Address:	1900 S Sepulveda Blvd Ste 212
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90025
Affiliation Phone:	(210) 405-7610
Affiliation Type Desc:	Identification Signer
Entity Name:	Jim Zhao, Agent for O'Reilly Auto Enterprises, L.L.C.
Entity Title:	Regulatory Compliance Specialist, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	O'Reilly Auto Enterprises, L.L.C.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(417) 862-3333

J65 **FREEWAY FORD BODY SH OP** **HIST UST** **U001560929**
SSE **722 S ATLANTIC BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90022**
0.237 mi.
1251 ft. **Site 3 of 5 in cluster J**

Relative: **Lower**

Actual: **199 ft.**

HIST UST:

Name:	FREEWAY FORD BODY SH OP
Address:	722 S ATLANTIC BLVD
City,State,Zip:	LOS ANGELES, CA 90022
File Number:	00026913
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026913.pdf
Region:	STATE
Facility ID:	00000019023
Facility Type:	Other
Other Type:	BODY SHOP
Contact Name:	RICHARD PEREA
Telephone:	2132680101
Owner Name:	FREEWAY FORD (CORPORATION)
Owner Address:	666 S. ATLANTIC BLVD.
Owner City,St,Zip:	LOS ANGELES, CA 90022
Total Tanks:	0001
Tank Num:	001
Container Num:	5
Year Installed:	1965
Tank Capacity:	00000000

FREEWAY FORD BODY SH OP (Continued) **U001560929**

Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Click here for Geo Tracker PDF:

J66 **EAST LOS OG PAINT** **RCRA NonGen / NLR** **1025874450**
South **729 S ATLANTIC BLVD** **CAL000447581**
1/8-1/4 **LOS ANGELES, CA 90022**
0.238 mi.
1256 ft. **Site 4 of 5 in cluster J**

Relative: **Lower**
Actual: **198 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20190719
Handler Name:	EAST LOS OG PAINT	
Handler Address:		729 S ATLANTIC BLVD
Handler City,State,Zip:		LOS ANGELES, CA 90022
EPA ID:		CAL000447581
Contact Name:		FRANCISCO J VARA
Contact Address:		249 ALDARGATO ST
Contact City,State,Zip:		MONTEREY PARK, CA 91755
Contact Telephone:		626-234-5829
Contact Fax:		Not reported
Contact Email:		ARECIADERDDES@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		729 S ATLANTIC BLVD
Mailing City,State,Zip:		LOS ANGELES, CA 90022
Owner Name:		FRANCISCO J VARA
Owner Type:		Other
Operator Name:		FRANCISCO J VARA
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---

EAST LOS OG PAINT (Continued) **1025874450**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	FRANCISCO J VARA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	249 ALDARGATO ST
Owner/Operator City,State,Zip:	MONTEREY PARK, CA 91755
Owner/Operator Telephone:	626-234-5829
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FRANCISCO J VARA
Legal Status:	Other
Date Became Current:	Not reported

EAST LOS OG PAINT (Continued) **1025874450**

Date Ended Current: Not reported
Owner/Operator Address: 249 ALDARGATO ST
Owner/Operator City,State,Zip: MONTEREY PARK, CA 91755
Owner/Operator Telephone: 626-234-5829
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190719
Handler Name: EAST LOS OG PAINT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 425120
NAICS Description: WHOLESALE TRADE AGENTS AND BROKERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J67 **EAST LOS OG PAINT** **CERS HAZ WASTE** **S123499729**
South **729 S ATLANTIC BLVD** **CERS** **N/A**
1/8-1/4 **LOS ANGELES, CA 90022**
0.238 mi.
1256 ft. **Site 5 of 5 in cluster J**

Relative: **Lower**
Actual: **198 ft.**

CERS HAZ WASTE:
Name: EAST LOS OG PAINT
Address: 729 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 118654
CERS ID: 10274893
CERS Description: Hazardous Waste Generator

CERS:
Name: EAST LOS OG PAINT
Address: 729 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 118654
CERS ID: 10274893
CERS Description: Chemical Storage Facilities

EAST LOS OG PAINT (Continued) **S123499729**

Violations:

Site ID:	118654
Site Name:	EAST LOS OG PAINT
Violation Date:	10-03-2014
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 10/31/2014. OBSERVATION: This facilityG s EPA ID number is inactive. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. CORRECTIVE ACTION: Immediately contact DTSC and reactivate your EPA ID number and submit evidence to the cupa by November 3, 2014.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	118654
Site Name:	EAST LOS OG PAINT
Violation Date:	04-17-2018
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 08/05/2019. OBSERVATION: The generator has not obtained an active EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an active EPA ID number. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	118654
Site Name:	EAST LOS OG PAINT
Violation Date:	10-03-2014
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 04/28/2015. OBSERVATION: Copies of hazardous waste disposal records for 2013-2014 were not available for review. Hazardous waste generators shall retain copies of all manifests signed off by the disposal facility and all receipts used in a consolidated manifesting procedure on site for three years and have them readily available for review. CORRECTIVE ACTION: Immediately locate a copy of all manifests and receipts for the last three years, maintain them on site, and submit copies to the CUPA by November 3, 2014. Provide manifests for the disposal of waste paint booth filters, rags, paint, thinners.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	118654

EAST LOS OG PAINT (Continued) **S123499729**

Site Name:	EAST LOS OG PAINT
Violation Date:	04-12-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 07/11/2019. OBSERVATION: The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. CORRECTIVE ACTION: Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	118654
Site Name:	EAST LOS OG PAINT
Violation Date:	04-12-2018
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 07/11/2019. OBSERVATION: Owner/Operator failed to establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet. CORRECTIVE ACTION: Establish and implement a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	118654
Site Name:	EAST LOS OG PAINT
Violation Date:	04-12-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 07/11/2019. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	118654
Site Name:	EAST LOS OG PAINT
Violation Date:	04-12-2018

EAST LOS OG PAINT (Continued) **S123499729**

Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 07/11/2019. OBSERVATION: The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment CORRECTIVE ACTION: Complete and electronically submit a site map with all required content.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	118654
Site Name:	EAST LOS OG PAINT
Violation Date:	10-03-2014
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 04/28/2015. OBSERVATION: A hazardous materials business plan has not been received by the CUPA. The owner/operator failed to electronically submit its business plan to the statewide information management system, CERS (California Environmental Reporting System). HSC 25508(a)(1) CORRECTIVE ACTION: Submit the business plan electronically in the California Environmental Reporting System (CERS) and implement immediately. Go online to CERS website (http://cers.calepa.ca.gov/) and establish an account. After an account is created, complete CERS Online Business Plan and submit by 10/30/14. Include: Business Activities, Business Owner/Operator ID, Hazardous Materials Inventory, Site Map, Emergency Response/Contingency Plan, and Employee Training Plan.
Violation Division:	Los Angeles County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	FRANCISCO VACA, OWNER
Eval Division:	Los Angeles County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-12-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	FRANCISCO VACA, OWNER
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW

EAST LOS OG PAINT (Continued) **S123499729**

Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Ownership change
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility OOB as of 6-15-21
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-12-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Ownership change
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-28-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-28-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-03-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Ramon Galindo
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

EAST LOS OG PAINT (Continued) **S123499729**

Eval Date: 10-03-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Ramon Galindo
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-15-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: FACILITY OOB 6-15-21
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 118654
Facility Name: EAST LOS OG PAINT
Env Int Type Code: HWG
Program ID: 10274893
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 34.021820
Longitude: -118.156910

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: FRANCISCO VACA
Entity Title: Not reported
Affiliation Address: 729 S. Atlantic Blvd
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90022
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: FRANCISCO VACA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (323) 261-8188

Affiliation Type Desc: Document Preparer
Entity Name: arcelia de robles
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

EAST LOS OG PAINT (Continued) **S123499729**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	729 S ATLANTIC BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90022
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	FRANCISCO VACA
Entity Title:	Not reported
Affiliation Address:	729 S ATLANTIC BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	90022
Affiliation Phone:	(626) 234-5829
Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	Not reported
Affiliation Address:	5825 Rickenbacker Road
Affiliation City:	Commerce
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90040-3027
Affiliation Phone:	(323) 890-4000
Affiliation Type Desc:	Identification Signer
Entity Name:	arcelia de robles
Entity Title:	CO-OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	EAST LOS OG PAINT
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

68
SW
1/4-1/2
0.281 mi.
1485 ft.

WHITTIER LA VERNE PARKING LOT
753 S LA VERNE AVE
LOS ANGELES, CA 90022

US BROWNFIELDS **1026464549**
N/A

Relative:
Lower

Actual:
197 ft.

US BROWNFIELDS:

Name:	WHITTIER LA VERNE PARKING LOT
Address:	753 S LA VERNE AVE
City,State,Zip:	LOS ANGELES, CA 90022
Recipient Name:	National Council for Community Development Inc
Grant Type:	Assessment
Property Number:	5240-007-900
Parcel size:	.73
Latitude:	34.0222029461596
Longitude:	-118.16200304330883
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: The site is a parking lot on La Verne Avenue, north of Whittier Boulevard, Assessor+s Parcel Number 5240-007-900. It is unknown what was located there before the parking lot
Datum:	-
Acres Property ID:	241808
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	99T90601
Start Date:	-
Ownership Entity:	Government
Completion Date:	-
Current Owner:	Los Angeles County
Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The site is a parking lot on La Verne Avenue, north of Whittier Boulevard, Assessor+s Parcel Number 5240-007-900. It is unknown what was located there before the parking lot
Below Poverty Number:	4218
Below Poverty Percent:	25.09
Meidan Income:	7556
Meidan Income Number:	10641
Meidan Income Percent:	63.29
Vacant Housing Number:	241
Vacant Housing Percent:	5.58
Unemployed Number:	937
Unemployed Percent:	5.57
Name:	WHITTIER LA VERNE PARKING LOT
Address:	753 S LA VERNE AVE
City,State,Zip:	LOS ANGELES, CA 90022
Recipient Name:	National Council for Community Development Inc
Grant Type:	Assessment
Property Number:	5240-007-900
Parcel size:	.73
Latitude:	34.0222029461596
Longitude:	-118.16200304330883
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: The site is a parking lot on La Verne Avenue, north of Whittier Boulevard, Assessor+s Parcel Number 5240-007-900. It is unknown what was located there before the parking lot
Datum:	-
Acres Property ID:	241808
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	99T90601
Start Date:	-
Ownership Entity:	Government
Completion Date:	-
Current Owner:	Los Angeles County
Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The site is a parking lot on La Verne Avenue, north of Whittier Boulevard, Assessor+s Parcel Number 5240-007-900. It is unknown what was located there before the parking lot
Below Poverty Number:	4218
Below Poverty Percent:	25.09
Meidan Income:	7556
Meidan Income Number:	10641
Meidan Income Percent:	63.29
Vacant Housing Number:	241
Vacant Housing Percent:	5.58
Unemployed Number:	937

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Unemployed Percent:	5.57
Name:	WHITTIER LA VERNE PARKING LOT
Address:	753 S LA VERNE AVE
City,State,Zip:	LOS ANGELES, CA 90022
Recipient Name:	National Council for Community Development Inc
Grant Type:	Assessment
Property Number:	5240-007-900
Parcel size:	.73
Latitude:	34.0222029461596
Longitude:	-118.16200304330883
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: The site is a parking lot on La Verne Avenue, north of Whittier Boulevard, Assessor+s Parcel Number 5240-007-900. It is unknown what was located there before the parking lot
Datum:	-
Acres Property ID:	241808
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	3950.35
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	99T90601
Start Date:	01/08/2020
Ownership Entity:	Government
Completion Date:	02/10/2020
Current Owner:	Los Angeles County
Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The site is a parking lot on La Verne Avenue, north of Whittier Boulevard, Assessor+s Parcel Number 5240-007-900. It is unknown what was located there before the parking lot
Below Poverty Number:	4218
Below Poverty Percent:	25.09
Meidan Income:	7556
Meidan Income Number:	10641
Meidan Income Percent:	63.29
Vacant Housing Number:	241
Vacant Housing Percent:	5.58
Unemployed Number:	937
Unemployed Percent:	5.57

Name:	WHITTIER LA VERNE PARKING LOT
Address:	753 S LA VERNE AVE
City,State,Zip:	LOS ANGELES, CA 90022
Recipient Name:	National Council for Community Development Inc
Grant Type:	Assessment
Property Number:	5240-007-900
Parcel size:	.73
Latitude:	34.0222029461596
Longitude:	-118.16200304330883
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: The site is a parking lot on La Verne Avenue, north of Whittier Boulevard, Assessor+s Parcel Number 5240-007-900. It is unknown what was located there before the parking lot
Datum:	-
Acres Property ID:	241808
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	99T90601
Start Date:	-
Ownership Entity:	Government
Completion Date:	-
Current Owner:	Los Angeles County
Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The site is a parking lot on La Verne Avenue, north of Whittier Boulevard, Assessor+s Parcel Number 5240-007-900. It is unknown what was located there before the parking lot
Below Poverty Number:	4218
Below Poverty Percent:	25.09
Meidan Income:	7556
Meidan Income Number:	10641
Meidan Income Percent:	63.29
Vacant Housing Number:	241
Vacant Housing Percent:	5.58
Unemployed Number:	937
Unemployed Percent:	5.57
Name:	WHITTIER LA VERNE PARKING LOT

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Address:	753 S LA VERNE AVE
City,State,Zip:	LOS ANGELES, CA 90022
Recipient Name:	National Council for Community Development Inc
Grant Type:	Assessment
Property Number:	5240-007-900
Parcel size:	.73
Latitude:	34.0222029461596
Longitude:	-118.16200304330883
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: The site is a parking lot on La Verne Avenue, north of Whittier Boulevard, Assessor+s Parcel Number 5240-007-900. It is unknown what was located there before the parking lot
Datum:	-
Acres Property ID:	241808
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	99T90601
Start Date:	-
Ownership Entity:	Government
Completion Date:	-
Current Owner:	Los Angeles County
Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The site is a parking lot on La Verne Avenue, north of Whittier Boulevard, Assessor+s Parcel Number 5240-007-900. It is unknown what was located there before the parking lot
Below Poverty Number:	4218
Below Poverty Percent:	25.09
Meidan Income:	7556
Meidan Income Number:	10641
Meidan Income Percent:	63.29
Vacant Housing Number:	241
Vacant Housing Percent:	5.58
Unemployed Number:	937
Unemployed Percent:	5.57

Name:	WHITTIER LA VERNE PARKING LOT
Address:	753 S LA VERNE AVE
City,State,Zip:	LOS ANGELES, CA 90022
Recipient Name:	National Council for Community Development Inc
Grant Type:	Assessment
Property Number:	5240-007-900
Parcel size:	.73
Latitude:	34.0222029461596
Longitude:	-118.16200304330883
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: The site is a parking lot on La Verne Avenue, north of Whittier Boulevard, Assessor+s Parcel Number 5240-007-900. It is unknown what was located there before the parking lot
Datum:	-
Acres Property ID:	241808
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	99T90601
Start Date:	-
Ownership Entity:	Government
Completion Date:	-
Current Owner:	Los Angeles County
Did Owner Change:	N
Cleanup Required:	U
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-

WHITTIER LA VERNE PARKING LOT (Continued) **1026464549**

Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The site is a parking lot on La Verne Avenue, north of Whittier Boulevard, Assessor+s Parcel Number 5240-007-900. It is unknown what was located there before the parking lot
Below Poverty Number:	4218
Below Poverty Percent:	25.09
Meidan Income:	7556
Meidan Income Number:	10641
Meidan Income Percent:	63.29
Vacant Housing Number:	241
Vacant Housing Percent:	5.58
Unemployed Number:	937
Unemployed Percent:	5.57

K69 **UNOCAL #1107** **LUST** **S104406628**
NE **300 ATLANTIC BLVD S** **Cortese** **N/A**
1/4-1/2 **EAST LOS ANGELES, CA 90022** **CERS**
0.305 mi.
1611 ft. **Site 1 of 3 in cluster K**

Relative:
Higher

Actual:
235 ft.

LUST:

Name:	UNOCAL #1107
Address:	300 ATLANTIC BLVD S
City,State,Zip:	EAST LOS ANGELES, CA 90022
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704571
Global Id:	T0603704571
Latitude:	34.031749
Longitude:	-118.153439
Status:	Completed - Case Closed
Status Date:	07/27/1998
Case Worker:	AT
RB Case Number:	R-01688
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603704571
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704571
Contact Type:	Regional Board Caseworker
Contact Name:	ARMAN TOUMARI
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	atoumari@waterboards.ca.gov
Phone Number:	2135766708

LUST:

Global Id:	T0603704571
Action Type:	Other
Date:	05/03/1995
Action:	Leak Reported

Global Id:	T0603704571
Action Type:	Other
Date:	06/13/1994
Action:	Leak Stopped

Global Id:	T0603704571
Action Type:	Other

UNOCAL #1107 (Continued) **S104406628**

Date: 06/13/1994
Action: Leak Discovery

LUST:
Global Id: T0603704571
Status: Open - Case Begin Date
Status Date: 06/13/1994

Global Id: T0603704571
Status: Open - Site Assessment
Status Date: 06/13/1994

Global Id: T0603704571
Status: Open - Site Assessment
Status Date: 03/18/1998

Global Id: T0603704571
Status: Completed - Case Closed
Status Date: 07/27/1998

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-01688
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603704571
W Global ID: Not reported
Staff: AT
Local Agency: 19000
Cross Street: BEVERLY BLVD
Enforcement Type: Not reported
Date Leak Discovered: 6/13/1994
Date Leak First Reported: 5/3/1995
Date Leak Record Entered: 8/18/1997
Date Confirmation Began: 6/13/1994
Date Leak Stopped: 6/13/1994
Date Case Last Changed on Database: 7/20/1998
Date the Case was Closed: 7/27/1998
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Other Cause
Leak Source: Tank
Operator: UNOCAL
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 1168.21365813628084247107596 78
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: 3/18/1998
Preliminary Site Assessment Began: Not reported

UNOCAL #1107 (Continued) **S104406628**

Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	9
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	TOSCO/76 PRODUCTS CO
RP Address:	555 ANTON BLVD., SANTA ANA, CA 92799-5376
Program:	LUST
Lat/Long:	34.0319381 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	LOP/HIGH - ADMINISTRATIVE (CLOSURE/SB2004/ENFORCEMENT)
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	2-10,000 GAL GASOLINE, 1-550 WASTE OIL REMOVED & REPLACED. 02/17/98 SITE ASSESSMENT WORKPLAN 07/06/98 - SUPPLEMTARY SITE ASSESSMENT RPT

CORTESE:

Name:	UNOCAL #1107
Address:	300 ATLANTIC BLVD S
City,State,Zip:	EAST LOS ANGELES, CA 90022
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603704571
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	UNOCAL #1107
Address:	300 ATLANTIC BLVD S

UNOCAL #1107 (Continued) **S104406628**

City,State,Zip: EAST LOS ANGELES, CA 90022
Site ID: 231161
CERS ID: T0603704571
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ARMAN TOUMARI - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766708

K70 **EXXON USA #7** **CHMIRS S105024572**
NNE **301 ATLANTIC** **HIST CORTESE N/A**
1/4-1/2 **LOS ANGELES, CA 91505**
0.313 mi.
1655 ft. **Site 2 of 3 in cluster K**

Relative: Higher

Actual: 239 ft.

CHMIRS:
Name: Not reported
Address: 301 SOUTH ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA
OES Incident Number: 1-5170
OES notification: 08/31/2011
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported

EXXON USA #7 (Continued) **S105024572**

Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Unknown
Spill Site:	Service Station
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	Veeder Root
Incident Date:	8/29/2011
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Unknown
E Date:	Not reported
Substance:	Acetone 9.2 micrograms per liter
Quantity Released:	N/A
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	**On-going investigation***Caller states Ryan Houghy with ETIC Engineering reporting three chemicals detection in ground water sample from a soil boring due to an unknown factor. Marla Madden with Exxon Mobil contracted the ETIC Engineering to perform the sampling of the soil. Ground water sample was taken from a depth of approximately 180 feet. This is the lab result. Caller will follow-up with further investigation.

HIST CORTESE:

edr_fname:	EXXON USA #7
edr_fadd1:	301 ATLANTIC

EXXON USA #7 (Continued) **S105024572**

City,State,Zip: LOS ANGELES, CA 91505
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-09678

K71 **EXXON/MOBIL #18-ETY** **LUST** **S106116179**
NNE **301 ATLANTIC BLVD S** **Cortese** **N/A**
1/4-1/2 **EAST LOS ANGELES, CA 90022** **CERS**
0.313 mi.
1655 ft. **Site 3 of 3 in cluster K**

Relative:
Higher

Actual:
239 ft.

LUST:
Name: SKP MOBIL OIL COMPANY
Address: 301 ATLANTIC BLVD S
City,State,Zip: LOS ANGELES, CA 90022
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000006475
Global Id: T10000006475
Latitude: 34.0318895
Longitude: -118.15419
Status: Completed - Case Closed
Status Date: 08/24/2015
Case Worker: EPL
RB Case Number: I-09416A
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T10000006475
Contact Type: Regional Board Caseworker
Contact Name: ERRICK LLAMAS
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W 4th Street Suite 200
City: LOS ANGELES
Email: errick.llamas@waterboards.ca.gov
Phone Number: 2135766783

LUST:
Global Id: T10000006475
Action Type: RESPONSE
Date: 04/13/2015
Action: Other Report / Document

Global Id: T10000006475
Action Type: Other
Date: 08/29/2011
Action: Leak Discovery

Global Id: T10000006475
Action Type: ENFORCEMENT
Date: 06/10/2015
Action: Notification - Preclosure

EXXON/MOBIL #18-ETY (Continued) **S106116179**

Global Id: T10000006475
Action Type: ENFORCEMENT
Date: 03/11/2015
Action: Staff Letter

Global Id: T10000006475
Action Type: Other
Date: 08/29/2011
Action: Leak Reported

Global Id: T10000006475
Action Type: ENFORCEMENT
Date: 02/10/2015
Action: Referral to Regional Board

Global Id: T10000006475
Action Type: ENFORCEMENT
Date: 08/24/2015
Action: Closure/No Further Action Letter

Global Id: T10000006475
Action Type: Other
Date: 08/29/2011
Action: Leak Began

LUST:
Global Id: T10000006475
Status: Open - Case Begin Date
Status Date: 08/29/2011

Global Id: T10000006475
Status: Open - Inactive
Status Date: 02/10/2015

Global Id: T10000006475
Status: Open - Site Assessment
Status Date: 03/11/2015

Global Id: T10000006475
Status: Open - Eligible for Closure
Status Date: 06/17/2015

Global Id: T10000006475
Status: Completed - Case Closed
Status Date: 08/24/2015

Name: EXXON/MOBIL #18-ETY
Address: 301 ATLANTIC BLVD S
City,State,Zip: EAST LOS ANGELES, CA 90022
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603703468
Global Id: T0603703468
Latitude: 34.0874236
Longitude: -118.1347087
Status: Completed - Case Closed

EXXON/MOBIL #18-ETY (Continued) **S106116179**

Status Date: 01/20/2006
Case Worker: HDN
RB Case Number: I-09416
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: 001945-009416
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603703468
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603703468
Contact Type: Regional Board Caseworker
Contact Name: HA D. NGUYEN
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200
City: LOS ANGELES
Email: hnguyen@waterboards.ca.gov
Phone Number: 2135766658

LUST:
Global Id: T0603703468
Action Type: ENFORCEMENT
Date: 01/03/2006
Action: Site Visit / Inspection / Sampling

Global Id: T0603703468
Action Type: Other
Date: 06/17/1985
Action: Leak Reported

Global Id: T0603703468
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703468
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703468
Action Type: ENFORCEMENT
Date: 08/31/2005
Action: Site Visit / Inspection / Sampling

Global Id: T0603703468
Action Type: ENFORCEMENT

EXXON/MOBIL #18-ETY (Continued) **S106116179**

Date: 01/20/2006
Action: Closure/No Further Action Letter

Global Id: T0603703468
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703468
Action Type: ENFORCEMENT
Date: 08/31/2004
Action: * No Action

Global Id: T0603703468
Action Type: ENFORCEMENT
Date: 09/20/2005
Action: Staff Letter

Global Id: T0603703468
Action Type: Other
Date: 06/17/1985
Action: Leak Stopped

Global Id: T0603703468
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703468
Action Type: RESPONSE
Date: 11/15/2005
Action: Other Report / Document

Global Id: T0603703468
Action Type: RESPONSE
Date: 09/20/2005
Action: Other Workplan

Global Id: T0603703468
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603703468
Action Type: ENFORCEMENT
Date: 09/03/2003
Action: Staff Letter

Global Id: T0603703468
Action Type: ENFORCEMENT
Date: 10/14/2003
Action: Staff Letter

Global Id: T0603703468
Action Type: ENFORCEMENT
Date: 06/23/2003
Action: Staff Letter

EXXON/MOBIL #18-ETY (Continued) **S106116179**

Global Id: T0603703468
Action Type: ENFORCEMENT
Date: 10/15/2003
Action: Site Visit / Inspection / Sampling

Global Id: T0603703468
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703468
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703468
Action Type: RESPONSE
Date: 07/21/2003
Action: Interim Remedial Action Plan

Global Id: T0603703468
Action Type: RESPONSE
Date: 01/15/2004
Action: Interim Remedial Action Plan

Global Id: T0603703468
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703468
Action Type: RESPONSE
Date: 01/15/2004
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603703468
Action Type: ENFORCEMENT
Date: 02/17/2004
Action: Staff Letter

Global Id: T0603703468
Action Type: Other
Date: 06/17/1985
Action: Leak Discovery

Global Id: T0603703468
Action Type: RESPONSE
Date: 05/15/2004
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0603703468
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603703468
Action Type: RESPONSE

EXXON/MOBIL #18-ETY (Continued) **S106116179**

Date: 07/15/2004
Action: Remedial Progress Report

Global Id: T0603703468
Action Type: RESPONSE
Date: 07/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703468
Action Type: RESPONSE
Date: 09/01/2003
Action: Other Report / Document

Global Id: T0603703468
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603703468
Action Type: RESPONSE
Date: 11/15/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603703468
Action Type: REMEDIATION
Date: 08/13/2004
Action: Soil Vapor Extraction (SVE)

LUST:
Global Id: T0603703468
Status: Open - Case Begin Date
Status Date: 06/17/1985

Global Id: T0603703468
Status: Open - Site Assessment
Status Date: 06/23/2003

Global Id: T0603703468
Status: Open - Site Assessment
Status Date: 09/18/2003

Global Id: T0603703468
Status: Open - Remediation
Status Date: 01/15/2004

Global Id: T0603703468
Status: Open - Remediation
Status Date: 02/17/2004

Global Id: T0603703468
Status: Open - Remediation
Status Date: 07/15/2004

Global Id: T0603703468
Status: Completed - Case Closed
Status Date: 01/20/2006

EXXON/MOBIL #18-ETY (Continued) **S106116179**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-09416	
Status:	Remedial action (cleanup) Underway	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	001945-009416	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603703468	
W Global ID:	Not reported	
Staff:	HDN	
Local Agency:	19000	
Cross Street:	BEVERLY BL.	
Enforcement Type:	DLSEL	
Date Leak Discovered:	6/17/1985	
Date Leak First Reported:		6/17/1985
Date Leak Record Entered:	12/31/1986	
Date Confirmation Began:	6/23/2003	
Date Leak Stopped:	6/17/1985	
Date Case Last Changed on Database:		7/15/1988
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		1547.523979687289546910169659 8
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		9/18/2003
Remediation Plan Submitted:		1/15/2004
Remedial Action Underway:		7/15/2004
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		12/11/2001
Hist Max MTBE Conc in Groundwater:		3
Hist Max MTBE Conc in Soil:		38.3
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	=	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MARLA GUENSLER	
RP Address:	2532 N. 4TH ST., PMB 343	
Program:	LUST	
Lat/Long:	34.0874236 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

EXXON/MOBIL #18-ETY (Continued) **S106116179**

Assigned Name: Not reported
Summary: Not reported

CORTESE:
Name: EXXON/MOBIL #18-ETY
Address: 301 ATLANTIC BLVD S
City,State,Zip: EAST LOS ANGELES, CA 90022
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603703468
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Name: SKP MOBIL OIL COMPANY
Address: 301 ATLANTIC BLVD S
City,State,Zip: LOS ANGELES, CA 90022
Region: CORTESE
Envirostor Id: Not reported
Global ID: T10000006475
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: SKP MOBIL OIL COMPANY

EXXON/MOBIL #18-ETY (Continued) **S106116179**

Address: 301 ATLANTIC BLVD S
City,State,Zip: LOS ANGELES, CA 90022
Site ID: 275497
CERS ID: T10000006475
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ERRICK LLAMAS - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W 4th Street Suite 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766783

Name: EXXON/MOBIL #18-ETY
Address: 301 ATLANTIC BLVD S
City,State,Zip: EAST LOS ANGELES, CA 90022
Site ID: 236601
CERS ID: T0603703468
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: HA D. NGUYEN - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4th Street, Suite 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766658

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

L72 **EAST LOS ANGELES SHERIFF** **HIST CORTESE** **S105024728**
North **5019 003RD** **N/A**
1/4-1/2 **LOS ANGELES, CA 90022**
0.331 mi.
1747 ft. **Site 1 of 2 in cluster L**

Relative: **Higher**
Actual: **262 ft.**

HIST CORTESE:
edr_fname: EAST LOS ANGELES SHERIFF
edr_fadd1: 5019 003RD
City,State,Zip: LOS ANGELES, CA 90022
Region: CORTESE
Facility County Code: 19

EAST LOS ANGELES SHERIFF (Continued) **S105024728**

Reg By: LTNKA
Reg Id: R-04705

73
SW
1/4-1/2
0.344 mi.
1818 ft.

THE GREEN SPOT RECYCLING CO (LOS ANGELES) **SWRCY** **S118497016**
4831 WHITTIER BLVD **N/A**
LOS ANGELES, CA

Relative:
Lower

Actual:
196 ft.

SWRCY:

Name:	THE GREEN SPOT RECYCLING CO (LOS ANGELES)
Address:	4831 WHITTIER BLVD
City,State,Zip:	LOS ANGELES, CA
Reg Id:	242081
Cert Id:	RC242081.001
Mailing Address:	3221 Carter Ave Apt 244
Mailing City:	Marina Del Rey
Mailing State:	CA
Mailing Zip Code:	90292
Website:	Not reported
Email:	silenlion@hotmail.com
Phone Number:	(310) 200-9585
Rural:	N
Operation Begin Date:	02/16/2016
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Hours of Operation:	Mon - Sat 9:00 am - 5:00 pm; Sun Closed
Organization ID:	231071
Organization Name:	The Green Spot Recycling Co

L74
North
1/4-1/2
0.348 mi.
1835 ft.

LA CO SHERIFF EAST LA STATION **LUST** **U001562254**
5019 E 3RD ST **CDL** **N/A**
EAST LOS ANGELES, CA 90022 **HIST UST**
Cortese
CERS

Site 2 of 2 in cluster L

Relative:
Higher

Actual:
262 ft.

LUST:

Name:	LA CO SHERIFF EAST LA STATION
Address:	5019 E 3RD ST
City,State,Zip:	EAST LOS ANGELES, CA 90022
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704650
Global Id:	T0603704650
Latitude:	34.0340437895638
Longitude:	-118.157483046558
Status:	Completed - Case Closed
Status Date:	02/13/2019
Case Worker:	JC
RB Case Number:	R-04705
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	TT004532-004705
Potential Media Affect:	Soil

LA CO SHERIFF EAST LA STATION (Continued) **U001562254**

Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603704650
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704650
Contact Type: Regional Board Caseworker
Contact Name: JOSHUA CWIKLA
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4th Street, Suite 200
City: LOS ANGELES
Email: joshua.cwikla@waterboards.ca.gov
Phone Number: 2135766713

LUST:
Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 02/19/1992
Action: Staff Letter

Global Id: T0603704650
Action Type: Other
Date: 01/16/1991
Action: Leak Reported

Global Id: T0603704650
Action Type: RESPONSE
Date: 09/29/2017
Action: Soil and Water Investigation Report

Global Id: T0603704650
Action Type: RESPONSE
Date: 07/31/2018
Action: Soil and Water Investigation Report

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 07/01/1999
Action: Staff Letter

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 07/25/1991
Action: Staff Letter

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 08/20/2008
Action: Staff Letter

LA CO SHERIFF EAST LA STATION (Continued) **U001562254**

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 12/28/2016
Action: Staff Letter

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 06/26/2018
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 08/16/2017
Action: Staff Letter

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 03/06/2019
Action: Staff Letter

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 02/21/2019
Action: Staff Letter

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 11/01/2017
Action: Staff Letter

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 10/31/2018
Action: Notification - Preclosure

Global Id: T0603704650
Action Type: RESPONSE
Date: 02/03/1992
Action: Soil and Water Investigation Report

Global Id: T0603704650
Action Type: RESPONSE
Date: 02/20/2004
Action: Site Assessment Report

Global Id: T0603704650
Action Type: RESPONSE
Date: 09/29/2017
Action: Soil and Water Investigation Report

Global Id: T0603704650
Action Type: RESPONSE
Date: 11/13/2017
Action: Site Assessment Report

Global Id: T0603704650
Action Type: ENFORCEMENT

LA CO SHERIFF EAST LA STATION (Continued) **U001562254**

Date: 04/02/2015
Action: Staff Letter

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 02/13/2019
Action: Closure/No Further Action Letter

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 03/28/2018
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603704650
Action Type: Other
Date: 06/01/1989
Action: Leak Stopped

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 03/18/2015
Action: Referral to Regional Board

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 01/11/2018
Action: Health and Safety Code Section 25296.10(c)

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 06/20/2017
Action: Staff Letter

Global Id: T0603704650
Action Type: RESPONSE
Date: 02/13/1991
Action: Site Assessment Report

Global Id: T0603704650
Action Type: RESPONSE
Date: 05/08/1991
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603704650
Action Type: RESPONSE
Date: 09/17/1991
Action: Site Assessment Report

Global Id: T0603704650
Action Type: RESPONSE
Date: 02/26/1999
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603704650
Action Type: RESPONSE
Date: 02/06/2004
Action: Site Assessment Report

LA CO SHERIFF EAST LA STATION (Continued) **U001562254**

Global Id: T0603704650
Action Type: RESPONSE
Date: 06/01/2007
Action: Site Assessment Report

Global Id: T0603704650
Action Type: RESPONSE
Date: 01/09/1992
Action: Site Assessment Report

Global Id: T0603704650
Action Type: RESPONSE
Date: 09/04/1992
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603704650
Action Type: RESPONSE
Date: 06/01/2007
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603704650
Action Type: RESPONSE
Date: 06/01/2007
Action: Tank Removal Report / UST Sampling Report

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 03/18/2015
Action: Referral to Regional Board

Global Id: T0603704650
Action Type: ENFORCEMENT
Date: 04/14/2015
Action: Staff Letter

Global Id: T0603704650
Action Type: Other
Date: 01/15/1991
Action: Leak Discovery

Global Id: T0603704650
Action Type: RESPONSE
Date: 01/21/2009
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603704650
Action Type: RESPONSE
Date: 05/17/2015
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603704650
Action Type: RESPONSE
Date: 05/07/2018
Action: Correspondence - Regulator Responded

Global Id: T0603704650
Action Type: RESPONSE

LA CO SHERIFF EAST LA STATION (Continued) **U001562254**

Date: 07/30/2018
Action: Request for Closure - Regulator Responded

Global Id: T0603704650
Action Type: RESPONSE
Date: 08/09/2017
Action: Site Investigation Workplan - Regulator Responded

Global Id: T0603704650
Action Type: RESPONSE
Date: 05/31/2017
Action: Correspondence - Regulator Responded

Global Id: T0603704650
Action Type: RESPONSE
Date: 03/11/2018
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0603704650
Action Type: RESPONSE
Date: 10/11/2017
Action: Correspondence - Regulator Responded

Global Id: T0603704650
Action Type: RESPONSE
Date: 11/13/2017
Action: Soil and Water Investigation Report - Regulator Responded

Global Id: T0603704650
Action Type: RESPONSE
Date: 12/19/2016
Action: Other Report / Document - Regulator Responded

LUST:
Global Id: T0603704650
Status: Open - Case Begin Date
Status Date: 06/01/1989

Global Id: T0603704650
Status: Open - Site Assessment
Status Date: 01/16/1991

Global Id: T0603704650
Status: Open - Site Assessment
Status Date: 03/18/2002

Global Id: T0603704650
Status: Open - Eligible for Closure
Status Date: 01/03/2014

Global Id: T0603704650
Status: Open - Site Assessment
Status Date: 02/24/2014

Global Id: T0603704650
Status: Open - Eligible for Closure
Status Date: 12/19/2014

LA CO SHERIFF EAST LA STATION (Continued) **U001562254**

Global Id: T0603704650
Status: Open - Site Assessment
Status Date: 03/04/2015

Global Id: T0603704650
Status: Open - Site Assessment
Status Date: 04/14/2015

Global Id: T0603704650
Status: Completed - Case Closed
Status Date: 02/13/2019

CDL:
Name: Not reported
Address: 5019 E 3RD ST
City,State,Zip: EAST LOS ANGELES, CA 90022
Facility ID: 2005-08-021
Date: 08/17/2005
Labtype: Mobile Lab
Lab Type: Mobile Lab (M) - location where illegal drug lab equipment and materials were found in a vehicle or other mode of transport.

HIST UST:
Name: ELA SHERIFF
Address: 5019 E 3RD ST
City,State,Zip: EAST LOS ANGELES, CA 90063
File Number: 0002772C
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002772C.pdf
Region: STATE
Facility ID: 00000020723
Facility Type: Other
Other Type: SHERIFF
Contact Name: L.A. COUNTY MECHANICAL DEPARTM
Telephone: 2132672242
Owner Name: LOS ANGELES COUNTY MECHANICAL
Owner Address: 1100 N. EASTERN AVE.
Owner City,St,Zip: LOS ANGELES, CA 90063
Total Tanks: 0003

Tank Num: 001
Container Num: #1
Year Installed: 1976
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2
Year Installed: 1976
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported

LA CO SHERIFF EAST LA STATION (Continued) **U001562254**

Leak Detection: Stock Inventor

Tank Num: 003
Container Num: #3
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

CORTESE:
Name: LA CO SHERIFF EAST LA STATION
Address: 5019 E 3RD ST
City,State,Zip: EAST LOS ANGELES, CA 90022
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603704650
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: LA CO SHERIFF EAST LA STATION
Address: 5019 E 3RD ST
City,State,Zip: EAST LOS ANGELES, CA 90022
Site ID: 255784
CERS ID: T0603704650
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

LA CO SHERIFF EAST LA STATION (Continued) **U001562254**

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JOSHUA CWIKLA - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4th Street, Suite 200
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	2135766713

M75 **ARCO #6153** **LUST** **S102590742**
South **5200 WHITTIER AVE. E.** **Cortese** **N/A**
1/4-1/2 **LOS ANGELES, CA 90022** **CERS**
0.358 mi.
1888 ft. **Site 1 of 2 in cluster M**

Relative: **Lower**
Actual: **192 ft.**

LUST:

Name:	ARCO #6153
Address:	5200 WHITTIER BLVD E
City,State,Zip:	EAST LOS ANGELES, CA 90022
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603702801
Global Id:	T0603702801
Latitude:	34.0202066
Longitude:	-118.1573341
Status:	Completed - Case Closed
Status Date:	07/15/1996
Case Worker:	YR
RB Case Number:	I-01792
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603702801
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603702801
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

ARCO #6153 (Continued) **S102590742**

LUST:
Global Id: T0603702801
Action Type: Other
Date: 02/17/1988
Action: Leak Reported

Global Id: T0603702801
Action Type: Other
Date: 02/16/1988
Action: Leak Discovery

LUST:
Global Id: T0603702801
Status: Open - Case Begin Date
Status Date: 02/16/1988

Global Id: T0603702801
Status: Open - Site Assessment
Status Date: 02/17/1988

Global Id: T0603702801
Status: Open - Site Assessment
Status Date: 08/29/1988

Global Id: T0603702801
Status: Open - Site Assessment
Status Date: 09/20/1988

Global Id: T0603702801
Status: Open - Remediation
Status Date: 02/26/1991

Global Id: T0603702801
Status: Completed - Case Closed
Status Date: 07/15/1996

Name: ARCO #6153
Address: 5200 WHITTIER AVE. E.
City,State,Zip: LOS ANGELES, CA 90022
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603796319
Global Id: T0603796319
Latitude: 34.020041
Longitude: -118.156963
Status: Completed - Case Closed
Status Date: 02/25/2010
Case Worker: CET
RB Case Number: I-01792A
Local Agency: LOS ANGELES COUNTY
File Location: Regional Board
Local Case Number: 1717-1792
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

ARCO #6153 (Continued) **S102590742**

LUST:
Global Id: T0603796319
Contact Type: Local Agency Caseworker
Contact Name: CURTIS CASTLE
Organization Name: LOS ANGELES COUNTY
Address: 900 S. FREMONT AVE.
City: ALHAMBRA
Email: Not reported
Phone Number: Not reported

Global Id: T0603796319
Contact Type: Regional Board Caseworker
Contact Name: CHANDRA TYLER
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: cetyler@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603796319
Action Type: ENFORCEMENT
Date: 01/04/2007
Action: Staff Letter

Global Id: T0603796319
Action Type: ENFORCEMENT
Date: 04/14/2009
Action: Site Visit / Inspection / Sampling

Global Id: T0603796319
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603796319
Action Type: Other
Date: 02/08/2001
Action: Leak Reported

Global Id: T0603796319
Action Type: RESPONSE
Date: 01/15/2007
Action: Sensitive Receptor Survey Report

Global Id: T0603796319
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603796319

ARCO #6153 (Continued) **S102590742**

Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 10/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603796319
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603796319
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 01/15/2007
Action: Conceptual Site Model

Global Id: T0603796319
Action Type: RESPONSE
Date: 04/15/2007
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603796319
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603796319
Action Type: ENFORCEMENT
Date: 11/08/2005
Action: Staff Letter

Global Id: T0603796319
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603796319
Action Type: RESPONSE
Date: 04/15/2009

ARCO #6153 (Continued) **S102590742**

Action:	Conceptual Site Model
Global Id:	T0603796319
Action Type:	RESPONSE
Date:	04/15/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0603796319
Action Type:	RESPONSE
Date:	07/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603796319
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Monitoring Report - Quarterly
Global Id:	T0603796319
Action Type:	RESPONSE
Date:	10/15/2005
Action:	Soil and Water Investigation Report
Global Id:	T0603796319
Action Type:	RESPONSE
Date:	07/15/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0603796319
Action Type:	ENFORCEMENT
Date:	01/21/2005
Action:	Staff Letter
Global Id:	T0603796319
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603796319
Action Type:	RESPONSE
Date:	07/15/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0603796319
Action Type:	RESPONSE
Date:	10/15/2008
Action:	Conceptual Site Model
Global Id:	T0603796319
Action Type:	RESPONSE
Date:	11/25/2008
Action:	Request for Closure
Global Id:	T0603796319
Action Type:	RESPONSE
Date:	07/15/2009
Action:	Conceptual Site Model

ARCO #6153 (Continued) **S102590742**

Global Id: T0603796319
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603796319
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 05/30/2005
Action: Soil and Water Investigation Report

Global Id: T0603796319
Action Type: RESPONSE
Date: 07/15/2007
Action: Conceptual Site Model

Global Id: T0603796319
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: ENFORCEMENT
Date: 07/21/2004
Action: 13267 Requirement

Global Id: T0603796319
Action Type: ENFORCEMENT
Date: 09/15/2003
Action: Staff Letter

Global Id: T0603796319
Action Type: ENFORCEMENT
Date: 07/16/2004
Action: Staff Letter

Global Id: T0603796319
Action Type: ENFORCEMENT
Date: 02/25/2010
Action: Closure/No Further Action Letter

Global Id: T0603796319
Action Type: RESPONSE
Date: 01/15/2009
Action: Conceptual Site Model

Global Id: T0603796319
Action Type: RESPONSE
Date: 07/15/2008
Action: Conceptual Site Model

Global Id: T0603796319
Action Type: RESPONSE

ARCO #6153 (Continued) **S102590742**

Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603796319
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603796319
Action Type: RESPONSE
Date: 10/15/2003
Action: Other Report / Document

Global Id: T0603796319
Action Type: RESPONSE
Date: 08/30/2004
Action: Soil and Water Investigation Workplan

Global Id: T0603796319
Action Type: RESPONSE
Date: 10/15/2004
Action: Interim Remedial Action Plan

Global Id: T0603796319
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 04/15/2007
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603796319
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603796319
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603796319
Action Type: RESPONSE
Date: 08/15/2006
Action: Soil and Water Investigation Report

ARCO #6153 (Continued) **S102590742**

Global Id: T0603796319
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 04/15/2008
Action: Conceptual Site Model

Global Id: T0603796319
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603796319
Action Type: ENFORCEMENT
Date: 01/27/2010
Action: Notification - Preclosure

Global Id: T0603796319
Action Type: Other
Date: 12/19/2000
Action: Leak Discovery

Global Id: T0603796319
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603796319
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603796319
Action Type: RESPONSE
Date: 10/15/2004
Action: Interim Remedial Action Report

Global Id: T0603796319
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE

ARCO #6153 (Continued) **S102590742**

Date: 01/15/2008
Action: Conceptual Site Model

Global Id: T0603796319
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: RESPONSE
Date: 04/15/2007
Action: Conceptual Site Model

Global Id: T0603796319
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603796319
Action Type: REMEDIATION
Date: 06/13/2006
Action: Soil Vapor Extraction (SVE)

Global Id: T0603796319
Action Type: REMEDIATION
Date: 12/05/2000
Action: Excavation

Global Id: T0603796319
Action Type: REMEDIATION
Date: 07/16/2007
Action: Soil Vapor Extraction (SVE)

LUST:
Global Id: T0603796319
Status: Open - Case Begin Date
Status Date: 12/19/2000

Global Id: T0603796319
Status: Open - Site Assessment
Status Date: 12/19/2000

Global Id: T0603796319
Status: Open - Site Assessment
Status Date: 04/28/2003

Global Id: T0603796319
Status: Open - Site Assessment
Status Date: 06/10/2003

Global Id: T0603796319
Status: Open - Site Assessment
Status Date: 01/21/2005

Global Id: T0603796319
Status: Open - Remediation
Status Date: 01/18/2006

ARCO #6153 (Continued) **S102590742**

Global Id: T0603796319
Status: Open - Remediation
Status Date: 04/16/2007

Global Id: T0603796319
Status: Completed - Case Closed
Status Date: 02/25/2010

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-01792
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603702801
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: ATLANTIC BLVD
Enforcement Type: Not reported
Date Leak Discovered: 2/16/1988
Date Leak First Reported: 2/17/1988
Date Leak Record Entered: 3/4/1988
Date Confirmation Began: 2/17/1988
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 12/17/1996
Date the Case was Closed: 7/15/1996
How Leak Discovered: OM
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: Piping
Operator: DARMANDJIAN, GEVORK
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 2563.835062165543869928568086
Source of Cleanup Funding: Piping
Preliminary Site Assessment Workplan Submitted: 8/29/1988
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 9/20/1988
Remediation Plan Submitted: 2/26/1991
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported

ARCO #6153 (Continued) **S102590742**

Responsible Party:	ARCO PETROLEUM PRODUCTS, CO.	
RP Address:	17315 STUDEBAKER RD, CERRITOS CA 90701	
Program:	LUST	
Lat/Long:	34.0202066 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	DISCOVERED DURING POST-EARTHQUAKE TESTING. 2ND LEAK DISCOVERED IN WASTE OIL TANK ON 07/06/88	
Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-01792A	
Status:	Leak being confirmed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	1717-1792	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603796319	
W Global ID:	Not reported	
Staff:	CEC	
Local Agency:	19000	
Cross Street:	HARVEY	
Enforcement Type:	SEL	
Date Leak Discovered:	12/19/2000	
Date Leak First Reported:		2/8/2001
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	12/19/2000	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	NPP	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		Not reported
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		4/9/2004
Hist Max MTBE Conc in Groundwater:		17
Hist Max MTBE Conc in Soil:		.35
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	=	

ARCO #6153 (Continued) **S102590742**

Soil Qualifier:	=
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	RON ROGERS
RP Address:	FOUR CENTERPOINTE DR., LPR4-462
Program:	LUST
Lat/Long:	0 / 0
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

CORTESE:

Name:	ARCO #6153
Address:	5200 WHITTIER BLVD E
City,State,Zip:	EAST LOS ANGELES, CA 90022
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603702801
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

Name:	ARCO #6153
Address:	5200 WHITTIER AVE. E.
City,State,Zip:	LOS ANGELES, CA 90022
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603796319
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active

ARCO #6153 (Continued) **S102590742**

Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: ARCO #6153
Address: 5200 WHITTIER BLVD E
City,State,Zip: EAST LOS ANGELES, CA 90022
Site ID: 201116
CERS ID: T0603702801
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: CURTIS CASTLE - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S. FREMONT AVE.
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CHANDRA TYLER - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

ARCO #6153 (Continued) **S102590742**

Name: ARCO #6153
Address: 5200 WHITTIER BLVD E
City,State,Zip: EAST LOS ANGELES, CA 90022
Site ID: 201116
CERS ID: T0603796319
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: CURTIS CASTLE - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S. FREMONT AVE.
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: CHANDRA TYLER - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R4 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

M76 **ARCO #6153** **HIST CORTESE** **S105024721**
South **5200 WHITTIER** **N/A**
1/4-1/2 **LOS ANGELES, CA 90023**
0.358 mi.
1888 ft. **Site 2 of 2 in cluster M**

Relative: **Lower**

Actual: **192 ft.**

HIST CORTESE:

edr_fname:	ARCO #6153
edr_fadd1:	5200 WHITTIER
City,State,Zip:	LOS ANGELES, CA 90023
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	I-01792

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77 **PEP BOYS STORE #652** **LUST** **S103646977**
NE **256 ATLANTIC BLVD S** **Cortese** **N/A**
1/4-1/2 **LOS ANGELES, CA 90022** **CERS**
0.409 mi.
2157 ft.

Relative: **Higher**

Actual: **240 ft.**

LUST:

Name:	PEP BOYS STORE #652
Address:	256 ATLANTIC BLVD S
City,State,Zip:	LOS ANGELES, CA 90022
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603758495
Global Id:	T0603758495
Latitude:	34.032772
Longitude:	-118.152824
Status:	Completed - Case Closed
Status Date:	12/27/2013
Case Worker:	YL
RB Case Number:	R-00331
Local Agency:	LOS ANGELES COUNTY
File Location:	Local Agency
Local Case Number:	000329-000331
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0603758495
Contact Type:	Local Agency Caseworker
Contact Name:	PHILLIP GHARIBIANS-TABRIZI
Organization Name:	LOS ANGELES COUNTY
Address:	900 S. FREMONT AVE.
City:	ALHAMBRA
Email:	pgharibians@dpw.lacounty.gov
Phone Number:	Not reported

Global Id:	T0603758495
Contact Type:	Regional Board Caseworker
Contact Name:	YI LU
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	Not reported
City:	R4 UNKNOWN
Email:	ylu@waterboards.ca.gov
Phone Number:	Not reported

PEP BOYS STORE #652 (Continued) **S103646977**

LUST:
Global Id: T0603758495
Action Type: ENFORCEMENT
Date: 12/27/2013
Action: Closure/No Further Action Letter

Global Id: T0603758495
Action Type: Other
Date: 04/28/2004
Action: Leak Reported

Global Id: T0603758495
Action Type: ENFORCEMENT
Date: 02/25/2013
Action: Staff Letter

Global Id: T0603758495
Action Type: ENFORCEMENT
Date: 10/24/2013
Action: Notification - Preclosure

Global Id: T0603758495
Action Type: ENFORCEMENT
Date: 02/12/2013
Action: Referral to Regional Board

Global Id: T0603758495
Action Type: Other
Date: 03/10/2004
Action: Leak Discovery

Global Id: T0603758495
Action Type: RESPONSE
Date: 03/25/2013
Action: Other Report / Document

LUST:
Global Id: T0603758495
Status: Open - Case Begin Date
Status Date: 03/10/2004

Global Id: T0603758495
Status: Open - Site Assessment
Status Date: 01/23/2007

Global Id: T0603758495
Status: Open - Eligible for Closure
Status Date: 07/15/2013

Global Id: T0603758495
Status: Completed - Case Closed
Status Date: 12/27/2013

CORTESE:
Name: PEP BOYS STORE #652

PEP BOYS STORE #652 (Continued) **S103646977**

Address:	256 ATLANTIC BLVD S
City,State,Zip:	LOS ANGELES, CA 90022
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603758495
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	PEP BOYS STORE #652
Address:	256 ATLANTIC BLVD S
City,State,Zip:	LOS ANGELES, CA 90022
Site ID:	240364
CERS ID:	T0603758495
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	PHILLIP GHARIBIANS-TABRIZI - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S. FREMONT AVE.
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YI LU - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	R4 UNKNOWN
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

78
SW
1/4-1/2
0.437 mi.
2309 ft.

WHITTIER-FETTERLY PARKING LOT
922 S FETTERLY AVE
LOS ANGELES, CA 90022

US BROWNFIELDS **1026007184**
N/A

Relative:
Lower

Actual:
192 ft.

US BROWNFIELDS:

Name:	WHITTIER-FETTERLY PARKING LOT
Address:	922 S FETTERLY AVE
City,State,Zip:	LOS ANGELES, CA 90022
Recipient Name:	National Council for Community Development Inc
Grant Type:	Assessment
Property Number:	5246-021-900
Parcel size:	.88
Latitude:	34.021584000000004
Longitude:	-118.1657115
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: The Property is described as: Lots Ten (10) and Eleven (11) and Twenty-six (26) through Twenty-nine (29) of Block 002 of THE RANCHO LAGUNA SUBDIVISION to East Los Angeles, California; + The Property is currently comprised of 100% (0.884 ac) asphalt-paved parking lot; + The Property is relatively flat, and slopes gently to the south; + The Property elevation is approximately 190 to 192 feet above mean sea level (MSL); + The Property is currently defined as being outside the 500-year floodplain by FEMA; + The Property+s geology consists of Quaternary-age alluvium; + Soils at the Property are primarily classified as unconsolidated floodplain deposits of silt, sand, and gravel; + State regulatory agency records indicate no documented underground storage tanks (USTs),aboveground storage tanks (ASTs), water wells, groundwater monitoring wells, or other environmentally-significant features at the Property; and + According to historic sources, the Property has been formerly developed with residences and then as the current asphalt-paved parking lot.
Datum:	-
Acres Property ID:	241807
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	99T90601
Start Date:	-
Ownership Entity:	Government
Completion Date:	-

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Current Owner:	Los Angeles County
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	N
Asbestos found:	N
Asbestos cleaned:	N
Controled substance found:	N
Controled substance cleaned:	N
Drinking water affected:	N
Drinking water cleaned:	N
Groundwater affected:	N
Groundwater cleaned:	N
Lead contaminant found:	N
Lead cleaned up:	N
No media affected:	Not reported
Unknown media affected:	N
Other cleaned up:	N
Other metals found:	N
Other metals cleaned:	N
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	N
PCBs found:	N
PCBs cleaned up:	N
Petro products found:	N
Petro products cleaned:	N
Sediments found:	N
Sediments cleaned:	N
Soil affected:	N
Soil cleaned up:	N
Surface water cleaned:	N
VOCs found:	N
VOCs cleaned:	N
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	N
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Superfund Fed. landowner flag:	N
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	N
Selenium cleaned up:	-
SVOCs cleaned up:	N
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	N
Selenium contaminant found:	-
SVOCs contaminant found:	N
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	N
Media affected indoor air:	N
Building material media cleaned up:	N
Indoor air media cleaned up:	N
Unknown media cleaned up:	N
Past Use: Multistory	Not reported
Property Description:	The Property is described as: Lots Ten (10) and Eleven (11) and Twenty-six (26) through Twenty-nine (29) of Block 002 of THE RANCHO LAGUNA SUBDIVISION to East Los Angeles, California; + The Property is currently comprised of 100% (0.884 ac) asphalt-paved parking lot; + The Property is relatively flat, and slopes gently to the south; + The Property elevation is approximately 190 to 192 feet above mean sea level (MSL); + The Property is currently defined as being outside the 500-year floodplain by FEMA; + The Property+s geology consists of Quaternary-age alluvium; + Soils at the Property are primarily classified as unconsolidated floodplain deposits of silt, sand, and gravel; + State regulatory agency records indicate no documented underground storage tanks (USTs),aboveground storage tanks (ASTs), water wells, groundwater monitoring wells, or other environmentally-significant features at the Property; and + According to historic sources, the Property has been formerly developed with residences and then as the current asphalt-paved parking lot.
Below Poverty Number:	5532
Below Poverty Percent:	29.13
Meidan Income:	8430
Meidan Income Number:	12801
Meidan Income Percent:	67.41
Vacant Housing Number:	241
Vacant Housing Percent:	5.02
Unemployed Number:	1079
Unemployed Percent:	5.68

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Name:	WHITTIER-FETTERLY PARKING LOT
Address:	922 S FETTERLY AVE
City,State,Zip:	LOS ANGELES, CA 90022
Recipient Name:	National Council for Community Development Inc
Grant Type:	Assessment
Property Number:	5246-021-900
Parcel size:	.88
Latitude:	34.021584000000004
Longitude:	-118.1657115
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: The Property is described as: Lots Ten (10) and Eleven (11) and Twenty-six (26) through Twenty-nine (29) of Block 002 of THE RANCHO LAGUNA SUBDIVISION to East Los Angeles, California; + The Property is currently comprised of 100% (0.884 ac) asphalt-paved parking lot; + The Property is relatively flat, and slopes gently to the south; + The Property elevation is approximately 190 to 192 feet above mean sea level (MSL); + The Property is currently defined as being outside the 500-year floodplain by FEMA; + The Property+s geology consists of Quaternary-age alluvium; + Soils at the Property are primarily classified as unconsolidated floodplain deposits of silt, sand, and gravel; + State regulatory agency records indicate no documented underground storage tanks (USTs),aboveground storage tanks (ASTs), water wells, groundwater monitoring wells, or other environmentally-significant features at the Property; and + According to historic sources, the Property has been formerly developed with residences and then as the current asphalt-paved parking lot.
Datum:	-
Acres Property ID:	241807
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	2550
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - Brownfields Assessment Cooperative Agreement
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	99T90601
Start Date:	12/19/2019
Ownership Entity:	Government
Completion Date:	01/23/2020
Current Owner:	Los Angeles County
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	-

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	N
Asbestos found:	N
Asbestos cleaned:	N
Controled substance found:	N
Controled substance cleaned:	N
Drinking water affected:	N
Drinking water cleaned:	N
Groundwater affected:	N
Groundwater cleaned:	N
Lead contaminant found:	N
Lead cleaned up:	N
No media affected:	Not reported
Unknown media affected:	N
Other cleaned up:	N
Other metals found:	N
Other metals cleaned:	N
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	N
PCBs found:	N
PCBs cleaned up:	N
Petro products found:	N
Petro products cleaned:	N
Sediments found:	N
Sediments cleaned:	N
Soil affected:	N
Soil cleaned up:	N
Surface water cleaned:	N
VOCs found:	N
VOCs cleaned:	N
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	N
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	N
Selenium cleaned up:	-
SVOCs cleaned up:	N
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	N
Selenium contaminant found:	-
SVOCs contaminant found:	N
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	N
Media affected indoor air:	N
Building material media cleaned up:	N
Indoor air media cleaned up:	N
Unknown media cleaned up:	N
Past Use: Multistory	Not reported
Property Description:	The Property is described as: Lots Ten (10) and Eleven (11) and Twenty-six (26) through Twenty-nine (29) of Block 002 of THE RANCHO LAGUNA SUBDIVISION to East Los Angeles, California; + The Property is currently comprised of 100% (0.884 ac) asphalt-paved parking lot; + The Property is relatively flat, and slopes gently to the south; + The Property elevation is approximately 190 to 192 feet above mean sea level (MSL); + The Property is currently defined as being outside the 500-year floodplain by FEMA; + The Property+s geology consists of Quaternary-age alluvium; + Soils at the Property are primarily classified as unconsolidated floodplain deposits of silt, sand, and gravel; + State regulatory agency records indicate no documented underground storage tanks (USTs),aboveground storage tanks (ASTs), water wells, groundwater monitoring wells, or other environmentally-significant features at the Property; and + According to historic sources, the Property has been formerly developed with residences and then as the current asphalt-paved parking lot.
Below Poverty Number:	5532
Below Poverty Percent:	29.13
Meidan Income:	8430
Meidan Income Number:	12801
Meidan Income Percent:	67.41
Vacant Housing Number:	241
Vacant Housing Percent:	5.02
Unemployed Number:	1079
Unemployed Percent:	5.68
Name:	WHITTIER-FETTERLY PARKING LOT
Address:	922 S FETTERLY AVE
City,State,Zip:	LOS ANGELES, CA 90022
Recipient Name:	National Council for Community Development Inc

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Grant Type:	Assessment
Property Number:	5246-021-900
Parcel size:	.88
Latitude:	34.021584000000004
Longitude:	-118.1657115
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: The Property is described as: Lots Ten (10) and Eleven (11) and Twenty-six (26) through Twenty-nine (29) of Block 002 of THE RANCHO LAGUNA SUBDIVISION to East Los Angeles, California; + The Property is currently comprised of 100% (0.884 ac) asphalt-paved parking lot; + The Property is relatively flat, and slopes gently to the south; + The Property elevation is approximately 190 to 192 feet above mean sea level (MSL); + The Property is currently defined as being outside the 500-year floodplain by FEMA; + The Property+s geology consists of Quaternary-age alluvium; + Soils at the Property are primarily classified as unconsolidated floodplain deposits of silt, sand, and gravel; + State regulatory agency records indicate no documented underground storage tanks (USTs),aboveground storage tanks (ASTs), water wells, groundwater monitoring wells, or other environmentally-significant features at the Property; and + According to historic sources, the Property has been formerly developed with residences and then as the current asphalt-paved parking lot.
Datum:	-
Acres Property ID:	241807
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	99T90601
Start Date:	-
Ownership Entity:	Government
Completion Date:	-
Current Owner:	Los Angeles County
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	N
Asbestos found:	N
Asbestos cleaned:	N
Controled substance found:	N
Controled substance cleaned:	N
Drinking water affected:	N
Drinking water cleaned:	N
Groundwater affected:	N
Groundwater cleaned:	N
Lead contaminant found:	N
Lead cleaned up:	N
No media affected:	Not reported
Unknown media affected:	N
Other cleaned up:	N
Other metals found:	N
Other metals cleaned:	N
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	N
PCBs found:	N
PCBs cleaned up:	N
Petro products found:	N
Petro products cleaned:	N
Sediments found:	N
Sediments cleaned:	N
Soil affected:	N
Soil cleaned up:	N
Surface water cleaned:	N
VOCs found:	N
VOCs cleaned:	N
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	N
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Pesticides cleaned up:	N
Selenium cleaned up:	-
SVOCs cleaned up:	N
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	N
Selenium contaminant found:	-
SVOCs contaminant found:	N
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	N
Media affected indoor air:	N
Building material media cleaned up:	N
Indoor air media cleaned up:	N
Unknown media cleaned up:	N
Past Use: Multistory	Not reported
Property Description:	The Property is described as: Lots Ten (10) and Eleven (11) and Twenty-six (26) through Twenty-nine (29) of Block 002 of THE RANCHO LAGUNA SUBDIVISION to East Los Angeles, California; + The Property is currently comprised of 100% (0.884 ac) asphalt-paved parking lot; + The Property is relatively flat, and slopes gently to the south; + The Property elevation is approximately 190 to 192 feet above mean sea level (MSL); + The Property is currently defined as being outside the 500-year floodplain by FEMA; + The Property+s geology consists of Quaternary-age alluvium; + Soils at the Property are primarily classified as unconsolidated floodplain deposits of silt, sand, and gravel; + State regulatory agency records indicate no documented underground storage tanks (USTs),aboveground storage tanks (ASTs), water wells, groundwater monitoring wells, or other environmentally-significant features at the Property; and + According to historic sources, the Property has been formerly developed with residences and then as the current asphalt-paved parking lot.
Below Poverty Number:	5532
Below Poverty Percent:	29.13
Meidan Income:	8430
Meidan Income Number:	12801
Meidan Income Percent:	67.41
Vacant Housing Number:	241
Vacant Housing Percent:	5.02
Unemployed Number:	1079
Unemployed Percent:	5.68

Name:	WHITTIER-FETTERLY PARKING LOT
Address:	922 S FETTERLY AVE
City,State,Zip:	LOS ANGELES, CA 90022
Recipient Name:	National Council for Community Development Inc
Grant Type:	Assessment
Property Number:	5246-021-900
Parcel size:	.88
Latitude:	34.021584000000004

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Longitude:	-118.1657115
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: The Property is described as: Lots Ten (10) and Eleven (11) and Twenty-six (26) through Twenty-nine (29) of Block 002 of THE RANCHO LAGUNA SUBDIVISION to East Los Angeles, California; + The Property is currently comprised of 100% (0.884 ac) asphalt-paved parking lot; + The Property is relatively flat, and slopes gently to the south; + The Property elevation is approximately 190 to 192 feet above mean sea level (MSL); + The Property is currently defined as being outside the 500-year floodplain by FEMA; + The Property+s geology consists of Quaternary-age alluvium; + Soils at the Property are primarily classified as unconsolidated floodplain deposits of silt, sand, and gravel; + State regulatory agency records indicate no documented underground storage tanks (USTs),aboveground storage tanks (ASTs), water wells, groundwater monitoring wells, or other environmentally-significant features at the Property; and + According to historic sources, the Property has been formerly developed with residences and then as the current asphalt-paved parking lot.
Datum:	-
Acres Property ID:	241807
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	99T90601
Start Date:	-
Ownership Entity:	Government
Completion Date:	-
Current Owner:	Los Angeles County
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	N
Asbestos found:	N
Asbestos cleaned:	N
Controled substance found:	N
Controled substance cleaned:	N
Drinking water affected:	N
Drinking water cleaned:	N
Groundwater affected:	N
Groundwater cleaned:	N
Lead contaminant found:	N
Lead cleaned up:	N
No media affected:	Not reported
Unknown media affected:	N
Other cleaned up:	N
Other metals found:	N
Other metals cleaned:	N
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	N
PCBs found:	N
PCBs cleaned up:	N
Petro products found:	N
Petro products cleaned:	N
Sediments found:	N
Sediments cleaned:	N
Soil affected:	N
Soil cleaned up:	N
Surface water cleaned:	N
VOCs found:	N
VOCs cleaned:	N
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	N
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	N
Selenium cleaned up:	-
SVOCs cleaned up:	N
Unknown clean up:	-

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	N
Selenium contaminant found:	-
SVOCs contaminant found:	N
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	N
Media affected indoor air:	N
Building material media cleaned up:	N
Indoor air media cleaned up:	N
Unknown media cleaned up:	N
Past Use: Multistory	Not reported
Property Description:	The Property is described as: Lots Ten (10) and Eleven (11) and Twenty-six (26) through Twenty-nine (29) of Block 002 of THE RANCHO LAGUNA SUBDIVISION to East Los Angeles, California; + The Property is currently comprised of 100% (0.884 ac) asphalt-paved parking lot; + The Property is relatively flat, and slopes gently to the south; + The Property elevation is approximately 190 to 192 feet above mean sea level (MSL); + The Property is currently defined as being outside the 500-year floodplain by FEMA; + The Property+s geology consists of Quaternary-age alluvium; + Soils at the Property are primarily classified as unconsolidated floodplain deposits of silt, sand, and gravel; + State regulatory agency records indicate no documented underground storage tanks (USTs),aboveground storage tanks (ASTs), water wells, groundwater monitoring wells, or other environmentally-significant features at the Property; and + According to historic sources, the Property has been formerly developed with residences and then as the current asphalt-paved parking lot.
Below Poverty Number:	5532
Below Poverty Percent:	29.13
Meidan Income:	8430
Meidan Income Number:	12801
Meidan Income Percent:	67.41
Vacant Housing Number:	241
Vacant Housing Percent:	5.02
Unemployed Number:	1079
Unemployed Percent:	5.68

Name:	WHITTIER-FETTERLY PARKING LOT
Address:	922 S FETTERLY AVE
City,State,Zip:	LOS ANGELES, CA 90022
Recipient Name:	National Council for Community Development Inc
Grant Type:	Assessment
Property Number:	5246-021-900
Parcel size:	.88
Latitude:	34.021584000000004
Longitude:	-118.1657115
HCM Label:	-
Map Scale:	-
Point of Reference:	-

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Highlights:	Former Use: The Property is described as: Lots Ten (10) and Eleven (11) and Twenty-six (26) through Twenty-nine (29) of Block 002 of THE RANCHO LAGUNA SUBDIVISION to East Los Angeles, California; + The Property is currently comprised of 100% (0.884 ac) asphalt-paved parking lot; + The Property is relatively flat, and slopes gently to the south; + The Property elevation is approximately 190 to 192 feet above mean sea level (MSL); + The Property is currently defined as being outside the 500-year floodplain by FEMA; + The Property+s geology consists of Quaternary-age alluvium; + Soils at the Property are primarily classified as unconsolidated floodplain deposits of silt, sand, and gravel; + State regulatory agency records indicate no documented underground storage tanks (USTs),aboveground storage tanks (ASTs), water wells, groundwater monitoring wells, or other environmentally-significant features at the Property; and + According to historic sources, the Property has been formerly developed with residences and then as the current asphalt-paved parking lot.
Datum:	-
Acres Property ID:	241807
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	99T90601
Start Date:	-
Ownership Entity:	Government
Completion Date:	-
Current Owner:	Los Angeles County
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	N
Asbestos found:	N

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Asbestos cleaned:	N
Controled substance found:	N
Controled substance cleaned:	N
Drinking water affected:	N
Drinking water cleaned:	N
Groundwater affected:	N
Groundwater cleaned:	N
Lead contaminant found:	N
Lead cleaned up:	N
No media affected:	Not reported
Unknown media affected:	N
Other cleaned up:	N
Other metals found:	N
Other metals cleaned:	N
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	N
PCBs found:	N
PCBs cleaned up:	N
Petro products found:	N
Petro products cleaned:	N
Sediments found:	N
Sediments cleaned:	N
Soil affected:	N
Soil cleaned up:	N
Surface water cleaned:	N
VOCs found:	N
VOCs cleaned:	N
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	N
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	N
Selenium cleaned up:	-
SVOCs cleaned up:	N
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	N
Selenium contaminant found:	-
SVOCs contaminant found:	N
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	N
Media affected indoor air:	N
Building material media cleaned up:	N
Indoor air media cleaned up:	N
Unknown media cleaned up:	N
Past Use: Multistory	Not reported
Property Description:	The Property is described as: Lots Ten (10) and Eleven (11) and Twenty-six (26) through Twenty-nine (29) of Block 002 of THE RANCHO LAGUNA SUBDIVISION to East Los Angeles, California; + The Property is currently comprised of 100% (0.884 ac) asphalt-paved parking lot; + The Property is relatively flat, and slopes gently to the south; + The Property elevation is approximately 190 to 192 feet above mean sea level (MSL); + The Property is currently defined as being outside the 500-year floodplain by FEMA; + The Property+s geology consists of Quaternary-age alluvium; + Soils at the Property are primarily classified as unconsolidated floodplain deposits of silt, sand, and gravel; + State regulatory agency records indicate no documented underground storage tanks (USTs),aboveground storage tanks (ASTs), water wells, groundwater monitoring wells, or other environmentally-significant features at the Property; and + According to historic sources, the Property has been formerly developed with residences and then as the current asphalt-paved parking lot.
Below Poverty Number:	5532
Below Poverty Percent:	29.13
Meidan Income:	8430
Meidan Income Number:	12801
Meidan Income Percent:	67.41
Vacant Housing Number:	241
Vacant Housing Percent:	5.02
Unemployed Number:	1079
Unemployed Percent:	5.68

Name:	WHITTIER-FETTERLY PARKING LOT
Address:	922 S FETTERLY AVE
City,State,Zip:	LOS ANGELES, CA 90022
Recipient Name:	National Council for Community Development Inc
Grant Type:	Assessment
Property Number:	5246-021-900
Parcel size:	.88
Latitude:	34.021584000000004
Longitude:	-118.1657115
HCM Label:	-
Map Scale:	-
Point of Reference:	-
Highlights:	Former Use: The Property is described as: Lots Ten (10) and Eleven (11) and Twenty-six (26) through Twenty-nine (29) of Block 002 of THE RANCHO LAGUNA SUBDIVISION to East Los Angeles, California; + The Property is currently comprised of 100% (0.884 ac) asphalt-paved

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

parking lot; + The Property is relatively flat, and slopes gently to the south; + The Property elevation is approximately 190 to 192 feet above mean sea level (MSL); + The Property is currently defined as being outside the 500-year floodplain by FEMA; + The Property+s geology consists of Quaternary-age alluvium; + Soils at the Property are primarily classified as unconsolidated floodplain deposits of silt, sand, and gravel; + State regulatory agency records indicate no documented underground storage tanks (USTs),aboveground storage tanks (ASTs), water wells, groundwater monitoring wells, or other environmentally-significant features at the Property; and + According to historic sources, the Property has been formerly developed with residences and then as the current asphalt-paved parking lot.

Datum:	-
Acres Property ID:	241807
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	99T90601
Start Date:	-
Ownership Entity:	Government
Completion Date:	-
Current Owner:	Los Angeles County
Did Owner Change:	N
Cleanup Required:	N
Video Available:	N
Photo Available:	-
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	N
Asbestos found:	N
Asbestos cleaned:	N
Controled substance found:	N
Controled substance cleaned:	N
Drinking water affected:	N

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Drinking water cleaned:	N
Groundwater affected:	N
Groundwater cleaned:	N
Lead contaminant found:	N
Lead cleaned up:	N
No media affected:	Not reported
Unknown media affected:	N
Other cleaned up:	N
Other metals found:	N
Other metals cleaned:	N
Other contaminants found:	N
Other contams found description:	-
PAHs found:	N
PAHs cleaned up:	N
PCBs found:	N
PCBs cleaned up:	N
Petro products found:	N
Petro products cleaned:	N
Sediments found:	N
Sediments cleaned:	N
Soil affected:	N
Soil cleaned up:	N
Surface water cleaned:	N
VOCs found:	N
VOCs cleaned:	N
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	N
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	N
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	N
Selenium cleaned up:	-
SVOCs cleaned up:	N
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-

WHITTIER-FETTERLY PARKING LOT (Continued) **1026007184**

Pesticides contaminant found:	N
Selenium contaminant found:	-
SVOCs contaminant found:	N
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	N
Media affected indoor air:	N
Building material media cleaned up:	N
Indoor air media cleaned up:	N
Unknown media cleaned up:	N
Past Use: Multistory	Not reported
Property Description:	The Property is described as: Lots Ten (10) and Eleven (11) and Twenty-six (26) through Twenty-nine (29) of Block 002 of THE RANCHO LAGUNA SUBDIVISION to East Los Angeles, California; + The Property is currently comprised of 100% (0.884 ac) asphalt-paved parking lot; + The Property is relatively flat, and slopes gently to the south; + The Property elevation is approximately 190 to 192 feet above mean sea level (MSL); + The Property is currently defined as being outside the 500-year floodplain by FEMA; + The Property+s geology consists of Quaternary-age alluvium; + Soils at the Property are primarily classified as unconsolidated floodplain deposits of silt, sand, and gravel; + State regulatory agency records indicate no documented underground storage tanks (USTs),aboveground storage tanks (ASTs), water wells, groundwater monitoring wells, or other environmentally-significant features at the Property; and + According to historic sources, the Property has been formerly developed with residences and then as the current asphalt-paved parking lot.
Below Poverty Number:	5532
Below Poverty Percent:	29.13
Meidan Income:	8430
Meidan Income Number:	12801
Meidan Income Percent:	67.41
Vacant Housing Number:	241
Vacant Housing Percent:	5.02
Unemployed Number:	1079
Unemployed Percent:	5.68

N79 **CHEVRON 93699** **LUST** **1000905242**
NE **250 S ATLANTIC BLVD** **RCRA NonGen / NLR** **CA0000375907**
1/4-1/2 **LOS ANGELES, CA 90022** **Cortese**
0.464 mi. **CERS**
2449 ft. **Site 1 of 3 in cluster N**

Relative:
Higher

Actual:
242 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-02561	
Status:	Case Closed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Excavate and Dispose
Global ID:	T0603704596	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	

CHEVRON 93699 (Continued) **1000905242**

Cross Street:	POMONA BLVD	
Enforcement Type:	Not reported	
Date Leak Discovered:	10/6/1997	
Date Leak First Reported:		10/27/1997
Date Leak Record Entered:	1/20/1998	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	8/6/1997	
Date Case Last Changed on Database:		3/26/1998
Date the Case was Closed:		3/26/1998
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Overfill	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		722.85433783113940968193940 09
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CHEVRON PRODUCTS CO	
RP Address:	1300 S. BEACH BLVD., LA HABRA, CA 90632	
Program:	LUST	
Lat/Long:	34.033307 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

RCRA NonGen / NLR:

Date Form Received by Agency:		20200818
Handler Name:	CHEVRON 93699	
Handler Address:		250 S ATLANTIC BLVD
Handler City,State,Zip:		LOS ANGELES, CA 90022
EPA ID:		CA0000375907
Contact Name:		KATHY NORRIS
Contact Address:		P.O. BOX 6004
Contact City,State,Zip:		SAN RAMON, CA 94583
Contact Telephone:		877-386-6044
Contact Fax:		Not reported
Contact Email:		NAWTDESK@CHEVRON.COM

CHEVRON 93699 (Continued) **1000905242**

Contact Title:	LEAD WASTE TEC
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	S ATLANTIC BLVD
Mailing City,State,Zip:	LOS ANGELES, CA 90022
Owner Name:	CHEVRON USA INC
Owner Type:	Private
Operator Name:	CHEVRON USA INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported

CHEVRON 93699 (Continued) **1000905242**

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200820
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D018
Waste Description: BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE NELSON W AND HELEN L QUAN AB LIVING
Legal Status:	Private
Date Became Current:	19681001
Date Ended Current:	Not reported
Owner/Operator Address:	865 DONNER PL
Owner/Operator City,State,Zip:	MONTEREY, CA 91754
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEVRON USA INC
Legal Status:	Private
Date Became Current:	19711101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEVRON USA
Legal Status:	Private
Date Became Current:	19681001

CHEVRON 93699 (Continued) **1000905242**

Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHEVRON USA INC
Legal Status:	Private
Date Became Current:	19711101
Date Ended Current:	Not reported
Owner/Operator Address:	250 S ATLANTIC BLVD
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90022
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEVRON USA INC
Legal Status:	Private
Date Became Current:	19711101
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 6004
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-842-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEVRON USA INC
Legal Status:	Private
Date Became Current:	19711101
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 6004
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-842-1000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CHEVRON PRODUCTS CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 6004
Owner/Operator City,State,Zip:	SAN RAMON, CA 94583
Owner/Operator Telephone:	925-842-5931
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CHEVRON 93699 (Continued) **1000905242**

Historic Generators:

Receive Date:		20200818
Handler Name:	CHEVRON 93699	
Federal Waste Generator Description:		Not a generator, verified
State District Owner:		Not reported
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		Yes
Non Storage Recycler Activity:		No
Electronic Manifest Broker:		No

Receive Date:		20020516
Handler Name:	CHEVRON STATION NO 93699	
Federal Waste Generator Description:		Small Quantity Generator
State District Owner:		Not reported
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		No
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

Receive Date:		20120820
Handler Name:	CHEVRON 93699	
Federal Waste Generator Description:		Small Quantity Generator
State District Owner:		Not reported
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		No
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

Receive Date:		19990304
Handler Name:	93699 CHEVRON STATION	
Federal Waste Generator Description:		Large Quantity Generator
State District Owner:		Not reported
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		No
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

Receive Date:		20140301
Handler Name:	CHEVRON 93699	
Federal Waste Generator Description:		Large Quantity Generator
State District Owner:		Not reported

CHEVRON 93699 (Continued) **1000905242**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	4471
NAICS Description:	GASOLINE STATIONS
NAICS Code:	44711
NAICS Description:	GASOLINE STATIONS WITH CONVENIENCE STORES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

CORTESE:

Name:	CHEVRON #9-3699
Address:	250 ATLANTIC BLVD S
City,State,Zip:	EAST LOS ANGELES, CA 90022
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603704596
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	CHEVRON #9-3699
Address:	250 ATLANTIC BLVD S
City,State,Zip:	EAST LOS ANGELES, CA 90022
Site ID:	188718
CERS ID:	T0603704596

CHEVRON 93699 (Continued) **1000905242**

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JOHN AWUJO - LOS ANGELES COUNTY
Entity Title: Not reported
Affiliation Address: 900 S FREMONT AVE
Affiliation City: ALHAMBRA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6264583507

Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

N80 **CHEVRON #9-3699** **HIST CORTESE** **S105024571**
NE **250 ATLANTIC** **N/A**
1/4-1/2 **LOS ANGELES, CA 90022**
0.464 mi.
2449 ft. **Site 2 of 3 in cluster N**

Relative: HIST CORTESE:
Higher
edr_fname: CHEVRON #9-3699
Actual: edr_fadd1: 250 ATLANTIC
242 ft. City,State,Zip: LOS ANGELES, CA 90022
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-02561

N81 **CHEVRON #9-3699** **LUST** **S111711299**
NE **250 ATLANTIC BLVD S** **N/A**
1/4-1/2 **EAST LOS ANGELES, CA 90022**
0.464 mi.
2449 ft. **Site 3 of 3 in cluster N**

Relative: LUST:
Higher
Name: CHEVRON #9-3699
Actual: Address: 250 ATLANTIC BLVD S
242 ft. City,State,Zip: EAST LOS ANGELES, CA 90022
Lead Agency: LOS ANGELES COUNTY
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704596
Global Id: T0603704596
Latitude: 34.033651
Longitude: -118.151883
Status: Completed - Case Closed
Status Date: 03/26/1998

CHEVRON #9-3699 (Continued) **S111711299**

Case Worker: JOA
RB Case Number: R-02561
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:
Global Id: T0603704596
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704596
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704596
Action Type: Other
Date: 10/27/1997
Action: Leak Reported

Global Id: T0603704596
Action Type: ENFORCEMENT
Date: 05/14/2009
Action: Technical Correspondence / Assistance / Other - #C607253

Global Id: T0603704596
Action Type: Other
Date: 08/06/1997
Action: Leak Stopped

Global Id: T0603704596
Action Type: Other
Date: 10/06/1997
Action: Leak Discovery

LUST:
Global Id: T0603704596
Status: Open - Case Begin Date
Status Date: 08/06/1997

Global Id: T0603704596
Status: Completed - Case Closed
Status Date: 03/26/1998

O82 **US POSTAL SERVICE** **LUST** **S102531810**
South **975 ATLANTIC BLVD S** **Cortese** **N/A**
1/4-1/2 **EAST LOS ANGELES, CA 90022** **LOS ANGELES CO. HMS**
0.472 mi. **CERS**
2492 ft. **Site 1 of 2 in cluster O**

Relative:
Lower

Actual:
183 ft.

LUST:

Name:	US POSTAL SERVICE
Address:	975 ATLANTIC BLVD S
City,State,Zip:	EAST LOS ANGELES, CA 90022
Lead Agency:	LOS ANGELES COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603705437
Global Id:	T0603705437
Latitude:	34.0187427
Longitude:	-118.1579431
Status:	Completed - Case Closed
Status Date:	04/07/1997
Case Worker:	JOA
RB Case Number:	R-24209
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Aviation
Site History:	Not reported

LUST:

Global Id:	T0603705437
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603705437
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603705437
Action Type:	Other
Date:	04/07/1997
Action:	Leak Reported

LUST:

Global Id:	T0603705437
Status:	Completed - Case Closed
Status Date:	04/07/1997

Global Id:	T0603705437
Status:	Open - Case Begin Date

US POSTAL SERVICE (Continued) **S102531810**

Status Date: 04/07/1997

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-24209	
Status:	Case Closed	
Substance:	1	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603705437	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	WHITTIER BLVD	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		4/7/1997
Date Leak Record Entered:	7/22/1997	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		4/7/1997
Date the Case was Closed:		4/7/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	Not reported	
Leak Source:	Not reported	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		2516.039247076904540185096 3656
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	UNITED STATES POSTAL SERVICE	
RP Address:	7001 S. CENTRAL AVE., #364, LOS ANGELES CA 90052	
Program:	LUST	
Lat/Long:	34.0187427 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	

US POSTAL SERVICE (Continued) **S102531810**

Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: CLOSURE APPLICATION #182716

CORTESE:
Name: US POSTAL SERVICE
Address: 975 ATLANTIC BLVD S
City,State,Zip: EAST LOS ANGELES, CA 90022
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603705437
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

LOS ANGELES CO. HMS:
Name: US POSTAL SERVICE
Address: 975 S ATLANTIC BLVD
City,State,Zip: LOS ANGELES, CA 900229998
Region: LA
Permit Category: T
Facility Id: 017661-024209
Facility Type: 1
Facility Status: Removed
Area: 39
Permit Number: 000182715
Permit Status: Removed

CERS:
Name: US POSTAL SERVICE
Address: 975 ATLANTIC BLVD S
City,State,Zip: EAST LOS ANGELES, CA 90022
Site ID: 209180
CERS ID: T0603705437
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)

US POSTAL SERVICE (Continued) **S102531810**

Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JOHN AWUJO - LOS ANGELES COUNTY
Entity Title:	Not reported
Affiliation Address:	900 S FREMONT AVE
Affiliation City:	ALHAMBRA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6264583507

O83 **US POSTAL SERVICE** **HIST CORTESE** **S105024576**
South **975 ATLANTIC** **N/A**
1/4-1/2 **LOS ANGELES, CA 90022**
0.472 mi.
2492 ft. **Site 2 of 2 in cluster O**

Relative: **Lower**
Actual: **183 ft.**

HIST CORTESE:

edr_fname:	US POSTAL SERVICE
edr_fadd1:	975 ATLANTIC
City,State,Zip:	LOS ANGELES, CA 90022
Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	R-24209

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84 **CONTINENTAL CAN COMPANY - USA PLANT 442** **ENVIROSTOR** **S111417992**
SE **5650 EAST GRACE PLACE** **N/A**
1/2-1 **COMMERCE, CA 90040**
0.715 mi.
3775 ft.

Relative: **Lower**
Actual: **181 ft.**

ENVIROSTOR:

Name:	CONTINENTAL CAN COMPANY - USA PLANT 442
Address:	5650 EAST GRACE PLACE
City,State,Zip:	COMMERCE, CA 90040
Facility ID:	19340722
Status:	Refer: Other Agency
Status Date:	08/31/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy

CONTINENTAL CAN COMPANY - USA PLANT 442 (Continued) **S111417992**

Division Branch: Cleanup Chatsworth
Assembly: Not reported
Senate: Not reported
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.01664
Longitude: -118.1510
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * DETERGENT & SOAP * UNSPECIFIED SOLVENT MIXTURES
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAT000624718
Alias Type: EPA Identification Number
Alias Name: 19340722
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/08/1994
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 04/03/1984
Comments: HAULER: OIL PROCESS CO,5650 ALBA AT. CO ENGR - 1)SOURCE ACT: CONTAINER MFG. PAINT CANS,CAN ENDS,AEROSOL CANS. USE OF TIN PLATE,ALUM SOLDER. 2)FAC TYPE: AIR COMPRESSOR GENERATOR PLATE PROCESSORS- LITHOGRAP OPER. WAREHOUSE,NO WASHING. ENF HISTORY: 2/18/83 HW REP. INSP FOR PERMIT EXEMPT: REQ TO CONSTRUCT A BERM FOR THE STORAGE AREA, LABEL WASTES AS AS HAZ (DRUMS), POST SIGNS IN SPANISH. 2)7/83 GRANTED AN EXEMPT FORM HZD WASTE FAC PERMIT. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 09/26/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

85 NNW 1/2-1 0.755 mi. 3984 ft.

EAST LOS ANGELES HIGH SCHOOL NO. 1
BELVEDERE PARK/CESAR CHAVEZ AVE/MEDNIK AVE/1ST ST
LOS ANGELES, CA 90022

ENVIROSTOR SCH

S107736248 N/A

Relative: Higher

Actual: 297 ft.

ENVIROSTOR:

Name:	EAST LOS ANGELES HIGH SCHOOL NO. 1
Address:	BELVEDERE PARK/CESAR CHAVEZ AVE/MEDNIK AVE/1ST ST
City,State,Zip:	LOS ANGELES, CA 90022
Facility ID:	19820069
Status:	Inactive - Needs Evaluation
Status Date:	03/17/2003
Site Code:	304320
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	16.35
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	53
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.04039
Longitude:	-118.1606
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	Pyrene * phenanthrene * benzo (ghi) perylene Lead DDE Anthracene Copper and compounds Thallium and compounds Benzene Mercury (elemental Toluene Xylenes Dichlorodifluoromethane Ethylbenzene Zinc Molybdenum Beryllium and compounds Dieldrin Chlordane Fluoranthene
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	EAST LOS ANGELES HIGH SCHOOL #1
Alias Type:	Alternate Name
Alias Name:	LAUSD-EAST LA HS # 1
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	110033618681
Alias Type:	EPA (FRS #)
Alias Name:	304320
Alias Type:	Project Code (Site Code)
Alias Name:	19820069
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/17/2003
Comments:	LAUSD has indicated that there will be no more investigation at this time, while they look for another site location.

EAST LOS ANGELES HIGH SCHOOL NO. 1 (Continued) **S107736248**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	02/21/2002
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	EAST LOS ANGELES HIGH SCHOOL NO. 1
Address:	BELVEDERE PARK/CESAR CHAVEZ AVE/MEDNIK AVE/1ST ST
City,State,Zip:	LOS ANGELES, CA 90022
Facility ID:	19820069
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	16.35
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304320
Assembly:	53
Senate:	24
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	03/17/2003
Restricted Use:	NO
Funding:	School District
Latitude:	34.04039
Longitude:	-118.1606
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	Pyrene, Pyrene, * phenanthrene, * benzo (ghi) perylene, Lead, DDE, Anthracene, Copper and compounds, Thallium and compounds, Benzene, Mercury (elemental, Toluene, Xylenes, Dichlorodifluoromethane, Ethylbenzene, Zinc, Molybdenum, Beryllium and compounds, Dieldrin, Chlordane, Fluoranthene
Confirmed COC:	NONE SPECIFIED

EAST LOS ANGELES HIGH SCHOOL NO. 1 (Continued) **S107736248**

Potential Description:	NONE SPECIFIED
Alias Name:	EAST LOS ANGELES HIGH SCHOOL #1
Alias Type:	Alternate Name
Alias Name:	LAUSD-EAST LA HS # 1
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	110033618681
Alias Type:	EPA (FRS #)
Alias Name:	304320
Alias Type:	Project Code (Site Code)
Alias Name:	19820069
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/17/2003
Comments:	LAUSD has indicated that there will be no more investigation at this time, while they look for another site location.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	02/21/2002
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

86
SSE
1/2-1
0.827 mi.
4365 ft.

WINKLER FLEXIBLE PRODUCTS **ENVIROSTOR** **U003063242**
5600 E OLYMPIC BLVD **LOS ANGELES CO. HMS** **N/A**
COMMERCE, CA 90022

Relative:
Lower

Actual:
172 ft.

ENVIROSTOR:

Name:	BRIDGE PUBLICATIONS, INC.
Address:	5600 E. OLYMPIC BLVD.
City,State,Zip:	COMMERCE, CA 90022
Facility ID:	60002168
Status:	Refer: Local Agency
Status Date:	08/20/2015
Site Code:	Not reported

WINKLER FLEXIBLE PRODUCTS (Continued) **U003063242**

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 0.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Violeta Mislang
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 58, 57
Senate: 32
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 34
Longitude: -118
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981388671
Alias Type: EPA Identification Number
Alias Name: 60002168
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LOS ANGELES CO. HMS:
Name: WINKLER FLEXIBLE PRODUCTS
Address: 5600 E OLYMPIC BLVD
City,State,Zip: COMMERCE, CA 90022
Region: LA
Permit Category: I
Facility Id: 007478-I07859
Facility Type: 01
Facility Status: Closed
Area: 3V
Permit Number: 00010410J
Permit Status: Closed

87
ESE
1/2-1
0.906 mi.
4786 ft.

JOSEPH A. GASCON ELEMENTARY SCHOOL
630 LEONARD AVENUE
LOS ANGELES, CA 90022

ENVIROSTOR
SCH

S117696335
N/A

Relative:
Lower

Actual:
215 ft.

ENVIROSTOR:

Name:	JOSEPH A. GASCON ELEMENTARY SCHOOL
Address:	630 LEONARD AVENUE
City,State,Zip:	LOS ANGELES, CA 90022
Facility ID:	60000683
Status:	No Action Required
Status Date:	03/14/2008
Site Code:	304569
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	1.6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	51
Senate:	24
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.0198
Longitude:	-118.1419
APN:	NONE SPECIFIED
Past Use:	SCHOOL - ELEMENTARY
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	SOIL
Alias Name:	304569
Alias Type:	Project Code (Site Code)
Alias Name:	60000683
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	08/29/2007
Comments:	In an email to MUSD of August 29, 2007, DTSC determined that the Phase I ESA report, dated May 2006 (received August 1, 2007), is not complete and requested additional information to approve the Phase I. DTSC requested the additional information be provided by September 12, 2007. DTSC also requested all workplans and reports be submitted to DTSC in hard copy and electronic formats.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1 Addendum
Completed Date:	03/14/2008
Comments:	Approved the Phase I Addendum
Completed Area Name:	PROJECT WIDE

JOSEPH A. GASCON ELEMENTARY SCHOOL (Continued) **S117696335**

Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	04/16/2008
Comments:	Submitted Cost Recovery Memo.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Letter - Notice
Completed Date:	10/07/2008
Comments:	Issued a notice of outstanding invoices letter.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	JOSEPH A. GASCON ELEMENTARY SCHOOL
Address:	630 LEONARD AVENUE
City,State,Zip:	LOS ANGELES, CA 90022
Facility ID:	60000683
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304569
Assembly:	51
Senate:	24
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	03/14/2008
Restricted Use:	NO
Funding:	School District
Latitude:	34.0198
Longitude:	-118.1419
APN:	NONE SPECIFIED
Past Use:	SCHOOL - ELEMENTARY
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	SOIL
Alias Name:	304569
Alias Type:	Project Code (Site Code)
Alias Name:	60000683
Alias Type:	Envirostor ID Number

JOSEPH A. GASCON ELEMENTARY SCHOOL (Continued) **S117696335**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	08/29/2007
Comments:	In an email to MUSD of August 29, 2007, DTSC determined that the Phase I ESA report, dated May 2006 (received August 1, 2007), is not complete and requested additional information to approve the Phase I. DTSC requested the additional information be provided by September 12, 2007. DTSC also requested all workplans and reports be submitted to DTSC in hard copy and electronic formats.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1 Addendum
Completed Date:	03/14/2008
Comments:	Approved the Phase I Addendum
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	04/16/2008
Comments:	Submitted Cost Recovery Memo.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Letter - Notice
Completed Date:	10/07/2008
Comments:	Issued a notice of outstanding invoices letter.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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88 **SARDO & SONS WAREHOUSING INC** **CHMIRS S105088797**
SSE **5500 UNION PACIFIC AVE** **HWP N/A**
1/2-1 **CITY OF COMMERCE, CA 90022**
0.906 mi.
4786 ft.

Relative:
Lower

Actual:
160 ft.

CHMIRS:

Name:	Not reported
Address:	5500 UNION PACIFIC AVENUE
City,State,Zip:	CITY OF COMMERCE, CA
OES Incident Number:	1-5562
OES notification:	09/19/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported

SARDO & SONS WAREHOUSING INC (Continued) **S105088797**

Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	530
Year:	2011
Agency:	Premium ENV Services
Incident Date:	9/19/2011
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	30-50
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported

SARDO & SONS WAREHOUSING INC (Continued) **S105088797**

Comments:	Not reported
Description:	A truck refer tank spilled when backing up to the dock.

HWP:

EPA ID:	CAD983667783
Name:	SARDO & SONS WAREHOUSING INC
Address:	5500 UNION PACIFIC AVE
Cleanup Status:	CLOSED
Latitude:	34.01221
Longitude:	-118.1543
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	32
Assembly District:	58
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Sardo & Sons Warehousing, Inc (S&SWI) originally applied for a standardized hazardous waste permit as Dupont/GATX Logistics, Inc on 3/21/1995. They received their permit on 07/24/1995 operating as a storage facility for photographic fixer and developer waste. S&SWI took over operations on December 1996. S&SWI later decided to close their facility and submitted a Closure Plan on 11/30/1998. They certified their closure on 1/27/1999 and 2/25/1999 and the Department of Toxic Substances Control issued a Closure Certification on 03/12/1999.
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	Standardized
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	96-100% (highest scores)
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAD983667783
Facility Type:	Historical - Non-Operating
Facility Name:	SARDO & SONS WAREHOUSING INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1995-07-24 00:00:00
Type:	STND
Title Description:	Permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Container Storage
Event Description:	New Operating Permit - FINAL PERMIT
Actual Date:	07/24/1995

SARDO & SONS WAREHOUSING INC (Continued) **S105088797**

EPA ID:	CAD983667783
Facility Type:	Historical - Non-Operating
Facility Name:	SARDO & SONS WAREHOUSING INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	*Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1996-12-19 00:00:00
Type:	STND
Title Description:	Change in Operator
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	12/19/1996

EPA ID:	CAD983667783
Facility Type:	Historical - Non-Operating
Facility Name:	SARDO & SONS WAREHOUSING INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1995-07-24 00:00:00
Type:	STND
Title Description:	Permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Container Storage
Event Description:	New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date:	07/24/2005

EPA ID:	CAD983667783
Facility Type:	Historical - Non-Operating
Facility Name:	SARDO & SONS WAREHOUSING INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1995-07-24 00:00:00
Type:	STND
Title Description:	Permit
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Container Storage
Event Description:	New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date:	07/24/1995

SARDO & SONS WAREHOUSING INC (Continued) **S105088797**

Closure:

EPA ID:	CAD983667783
Facility Type:	Historical - Non-Operating
Facility Name:	SARDO & SONS WAREHOUSING INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	STND
Title Description:	Closure
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Container Storage
Event Description:	Closure Final - CLOSURE NOTICE RECEIVED
Actual Date:	02/25/1999

EPA ID:	CAD983667783
Facility Type:	Historical - Non-Operating
Facility Name:	SARDO & SONS WAREHOUSING INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	STND
Title Description:	Closure
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Container Storage
Event Description:	Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date:	03/12/1999

89
WSW
1/2-1
0.919 mi.
4852 ft.

LOS ANGELES DRUM COMPANY **ENVIROSTOR** **S106797566**
1137 SOUTH EASTERN AVE. **N/A**
LOS ANGELES, CA 90022

Relative:
Lower

Actual:
200 ft.

ENVIROSTOR:

Name:	LOS ANGELES DRUM COMPANY
Address:	1137 SOUTH EASTERN AVE.
City,State,Zip:	LOS ANGELES, CA 90022
Facility ID:	19340798
Status:	Active
Status Date:	02/21/2019
Site Code:	301847
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.5
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED

LOS ANGELES DRUM COMPANY (Continued) **S106797566**

Lead Agency:	NONE SPECIFIED
Program Manager:	Joseph Cully
Supervisor:	Patrick Hsieh
Division Branch:	Cleanup Cypress
Assembly:	51
Senate:	24
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	34.01965
Longitude:	-118.1742
APN:	5236011046, 5236011047
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	5236011046
Alias Type:	APN
Alias Name:	5236011047
Alias Type:	APN
Alias Name:	CAN000906062
Alias Type:	EPA Identification Number
Alias Name:	301847
Alias Type:	Project Code (Site Code)
Alias Name:	19340798
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Reassessment
Completed Date:	07/17/2019
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

P90 **ESB, INC. (EXIDE CORPORATION)** **ENVIROSTOR** **S112057198**
SSE **5700 EAST OLYMPIC BLVD.** **N/A**
1/2-1 **LOS ANGELES, CA 90022**
0.942 mi.
4973 ft. **Site 1 of 2 in cluster P**

Relative: ENVIROSTOR:
Lower

Name:	ESB, INC. (EXIDE CORPORATION)
Address:	5700 EAST OLYMPIC BLVD.
City,State,Zip:	LOS ANGELES, CA 90022
Facility ID:	60001725
Status:	No Further Action
Status Date:	04/24/1997

Actual:
170 ft.

ESB, INC. (EXIDE CORPORATION) (Continued) **S112057198**

Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	LOS ANGELES COUNTY
Lead Agency:	LOS ANGELES COUNTY
Program Manager:	Joseph Cully
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	50
Senate:	32
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	34.01392
Longitude:	-118.1481
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Lead Cadmium and compounds
Confirmed COC:	Lead Cadmium and compounds
Potential Description:	NONE SPECIFIED
Alias Name:	60001725
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	04/24/1997
Comments:	No Further Action

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

P91 **ESB INCORPORATED** **HWP** **S109467232**
SSE **5700 E OLYMPIC BLVD** **CERS** **N/A**
1/2-1 **LOS ANGELES, CA 90022**
0.942 mi.
4973 ft. **Site 2 of 2 in cluster P**

Relative:
Lower

Actual:
170 ft.

HWP:

EPA ID:	CAD008312951
Name:	ESB INCORPORATED
Address:	5700 E OLYMPIC BLVD
Cleanup Status:	PROTECTIVE FILER
Latitude:	34.01411
Longitude:	-118.1488
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported

ESB INCORPORATED (Continued) **S109467232**

Supervisor:	Not reported
Site Code:	Not reported
Senate District:	32
Assembly District:	58
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Not reported
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	96-100% (highest scores)
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAD008312951
Facility Type:	Historical - Non-Operating
Facility Name:	ESB INCORPORATED
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	PROTECTIVE FILER
Activity Type:	Protective Filer Status
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	Not reported
Title Description:	Not reported
Due Date:	Not reported
Comments:	letter concerning protective filer status
Unit Names:	CONTAIN1
Event Description:	Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date:	05/29/1981

Alias:

EPA ID:	CAD008312951
Facility Type:	Historical - Non-Operating
Facility Name:	ESB INCORPORATED
Facility Status:	PROTECTIVE FILER
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Alias Type:	FRS
Alias:	110002632241

CERS:

Name:	ESB INCORPORATED
Address:	5700 E OLYMPIC BLVD
City,State,Zip:	LOS ANGELES, CA 900220000
Site ID:	235084
CERS ID:	CAD008312951
CERS Description:	Hazardous Waste

ESB INCORPORATED (Continued) **S109467232**

Affiliation:

Affiliation Type Desc:	Facility Owner
Entity Name:	ESB INCORPORATED
Entity Title:	Not reported
Affiliation Address:	--
Affiliation City:	--
Affiliation State:	99
Affiliation Country:	Not reported
Affiliation Zip:	--
Affiliation Phone:	0000000000

Affiliation Type Desc:	Facility Contact
Entity Name:	INACTIVATED UNDELIVERABLE MAIL
Entity Title:	Not reported
Affiliation Address:	SURVEY NOV 1994
Affiliation City:	--
Affiliation State:	99
Affiliation Country:	Not reported
Affiliation Zip:	--
Affiliation Phone:	--

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MONTEREY PARK	S121697946	ALPHA CLEANERS	421 N ATLANTIC S-110 BLVD	91754	DRYCLEANERS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 77

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 03/06/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 85

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 87

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/30/2021
Number of Days to Update: 84
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 08/18/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/03/2021
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/20/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 11/23/2021
Number of Days to Update: 12

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/28/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 12/01/2019
Date Data Arrived at EDR: 08/19/2021
Date Made Active in Reports: 10/28/2021
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 12/10/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/25/2021
Date Data Arrived at EDR: 09/03/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83
Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/17/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 66

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/19/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 85

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/20/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 40
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/27/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 90

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/09/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 12/09/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 91

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/26/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 70

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/20/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/18/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/24/2021
Date Data Arrived at EDR: 08/25/2021
Date Made Active in Reports: 11/17/2021
Number of Days to Update: 84

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/16/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/04/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 84

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 87

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 87

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/01/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 84
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/01/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 75

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 42

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/20/2021
Date Data Arrived at EDR: 07/20/2021
Date Made Active in Reports: 10/11/2021
Number of Days to Update: 83

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 07/23/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 77

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/09/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 86

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 56

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 6

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2021
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/08/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 06/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 1

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/28/2021
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 07/29/2021
Date Made Active in Reports: 10/19/2021
Number of Days to Update: 82

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/09/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 81

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 09/30/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 09/30/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 76
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/28/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 11/02/2021
Number of Days to Update: 90
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2021
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/31/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/11/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 89

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/10/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/04/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 02/27/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/17/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 78

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/25/2021
Date Made Active in Reports: 11/17/2021
Number of Days to Update: 84

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/14/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 81
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 80
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 82
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/23/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 78
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 07/20/2021
Date Data Arrived at EDR: 07/20/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 80

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/23/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 90

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/12/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/06/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GARFIIELD HIGH SCHOOL
5101 EAST 6TH STREET
LOS ANGELES, CA 90022

TARGET PROPERTY COORDINATES

Latitude (North):	34.027026 - 34ˆ 1’ 37.29’’
Longitude (West):	118.158087 - 118ˆ 9’ 29.11’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	393081.9
UTM Y (Meters):	3765562.8
Elevation:	218 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12021699 LOS ANGELES, CA
Version Date:	2018

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

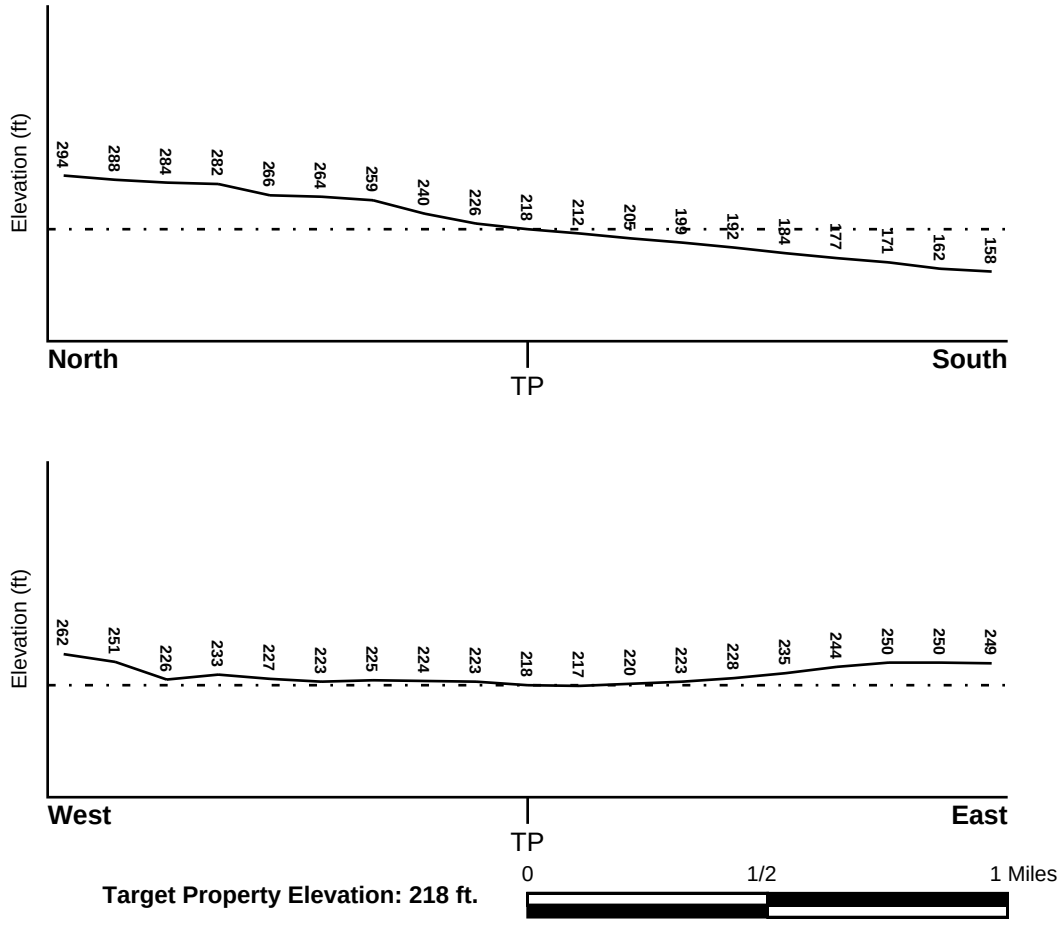
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1643F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1641F	FEMA FIRM Flood data
06037C1645F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LOS ANGELES	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
F25	1/2 - 1 Mile South	Not Reported
1G	1/2 - 1 Mile South	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
sandy loam
gravelly - sandy loam
silt loam
clay
fine sand
gravelly - sand
sand
fine sandy loam

Surficial Soil Types:
sandy loam
gravelly - sandy loam
silt loam
clay
fine sand
gravelly - sand
sand
fine sandy loam

Shallow Soil Types:
fine sandy loam
gravelly - loam
sandy clay
sandy clay loam
clay
silty clay
sand

Deeper Soil Types:
gravelly - sandy loam
sandy loam
very gravelly - sandy loam
stratified
very fine sandy loam
weathered bedrock
sand
gravelly - fine sandy loam
silty clay loam
clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000139853	1/4 - 1/2 Mile SSE
3	USGS40000139900	1/4 - 1/2 Mile NE
22	USGS40000139852	1/2 - 1 Mile WSW
66	USGS40000139934	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	CAUSGSN00006712	1/4 - 1/2 Mile SSE
A4	CADDW0000013654	1/4 - 1/2 Mile SSE
5	CADWR0000017906	1/4 - 1/2 Mile ESE
B6	CAEDF0000133799	1/4 - 1/2 Mile NE
B7	CAEDF0000080817	1/4 - 1/2 Mile NE
B8	CAEDF0000113823	1/4 - 1/2 Mile NE
B9	CADWR0000007641	1/4 - 1/2 Mile NE
C10	CAEDF0000006706	1/4 - 1/2 Mile South
C11	CAEDF0000032486	1/4 - 1/2 Mile South
12	CADWR0000024603	1/4 - 1/2 Mile WSW
C13	CAEDF0000019870	1/4 - 1/2 Mile South
C14	CAEDF0000071596	1/4 - 1/2 Mile South
15	CADDW0000006700	1/4 - 1/2 Mile SSW
C16	CAEDF0000123292	1/4 - 1/2 Mile South
C17	CAEDF0000032651	1/2 - 1 Mile South
18	CADWR0000029412	1/2 - 1 Mile East
D19	2785	1/2 - 1 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D20	2786	1/2 - 1 Mile NE
D21	CADDW0000002106	1/2 - 1 Mile NE
23	CADWR0000005078	1/2 - 1 Mile South
E24	CAUSGSN00001430	1/2 - 1 Mile NE
G26	CAEDF0000066796	1/2 - 1 Mile SSW
G27	CAEDF0000098866	1/2 - 1 Mile SSW
G28	CAEDF0000111678	1/2 - 1 Mile SSW
F29	CAEDF0000075066	1/2 - 1 Mile South
F30	CAEDF0000113007	1/2 - 1 Mile South
G31	CAEDF0000037755	1/2 - 1 Mile SSW
G32	CAEDF0000001423	1/2 - 1 Mile SSW
G33	CAEDF0000099262	1/2 - 1 Mile SSW
E34	CADDW0000008350	1/2 - 1 Mile NE
E35	CAPFAS000001385	1/2 - 1 Mile NE
G36	CAEDF0000091520	1/2 - 1 Mile SSW
F37	CAEDF0000100119	1/2 - 1 Mile South
F38	CAEDF0000127316	1/2 - 1 Mile South
G39	CAEDF0000138641	1/2 - 1 Mile SSW
G40	CAEDF0000056008	1/2 - 1 Mile SSW
F41	CAEDF0000017771	1/2 - 1 Mile South
F42	CAEDF0000062861	1/2 - 1 Mile South
F43	CAEDF0000078121	1/2 - 1 Mile South
44	CADWR0000030917	1/2 - 1 Mile ENE
45	CADPR0000001267	1/2 - 1 Mile SSW
H46	2802	1/2 - 1 Mile SSE
H47	2790	1/2 - 1 Mile SSE
H48	2787	1/2 - 1 Mile SSE
H49	2784	1/2 - 1 Mile SSE
H50	2783	1/2 - 1 Mile SSE
H51	1490	1/2 - 1 Mile SSE
H52	CADDW0000014881	1/2 - 1 Mile SSE
53	CADPR0000001792	1/2 - 1 Mile South
I54	CADDW0000019676	1/2 - 1 Mile SW
I55	CADDW0000010088	1/2 - 1 Mile SW
I56	CADDW0000012311	1/2 - 1 Mile SW
I57	2799	1/2 - 1 Mile SW
I58	2789	1/2 - 1 Mile SW
I59	2800	1/2 - 1 Mile SW
I60	2804	1/2 - 1 Mile SW
I61	2803	1/2 - 1 Mile SW
I62	2788	1/2 - 1 Mile SW
J63	CAEDF0000128463	1/2 - 1 Mile WSW
J64	CAEDF0000050336	1/2 - 1 Mile WSW
J65	CAEDF0000018004	1/2 - 1 Mile WSW
67	CADWR0000031850	1/2 - 1 Mile NE
K68	CADWR0000000593	1/2 - 1 Mile West
K69	CADWR0000017393	1/2 - 1 Mile West

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

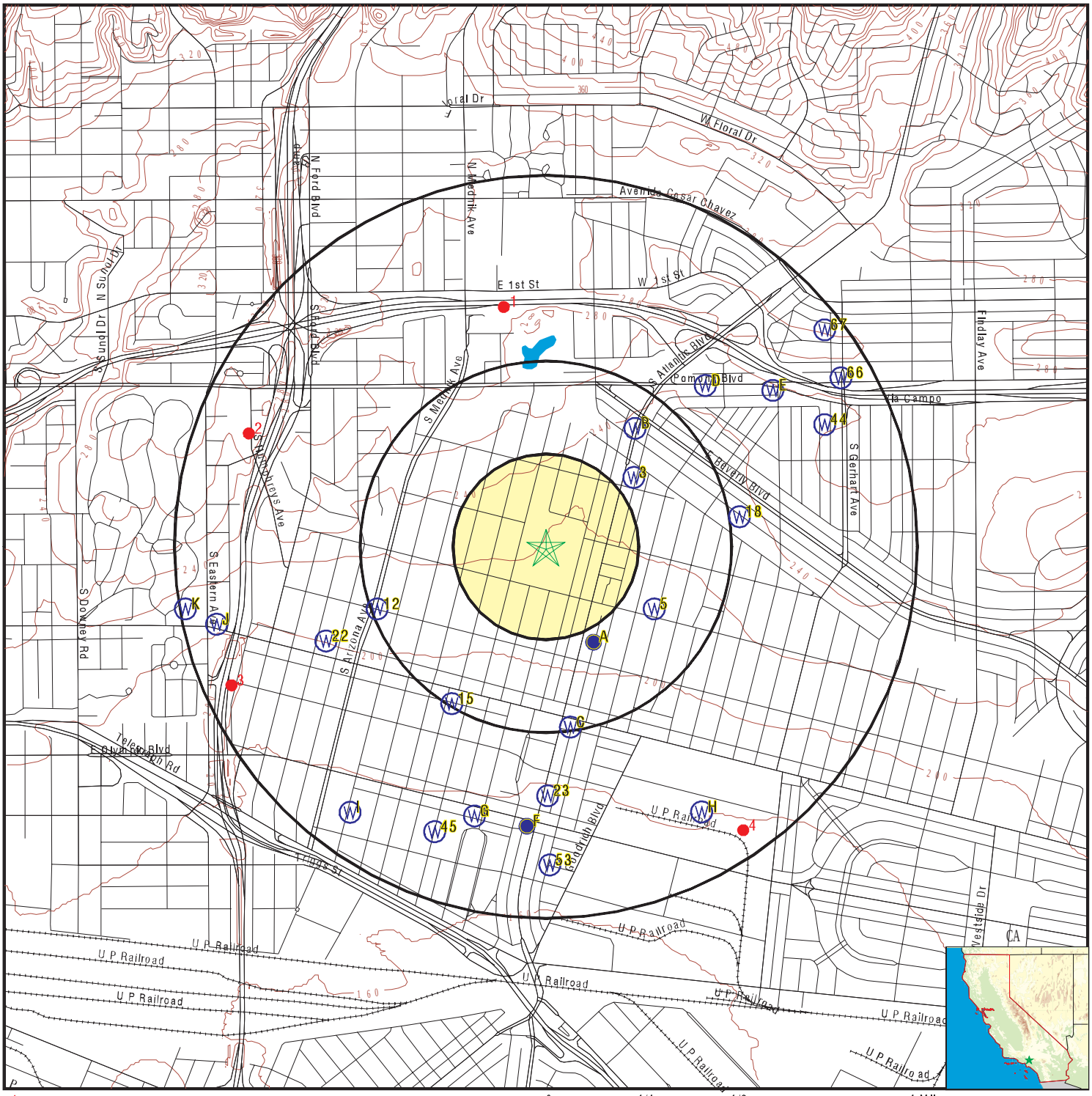
MAP ID	WELL ID	LOCATION FROM TP
1	CAOG14000005049	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	CAOG14000005654	1/2 - 1 Mile WNW
3	CAOG14000005434	1/2 - 1 Mile WSW
4	CAOG14000005801	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 6793054.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Garfiield High School	CLIENT:	Millennium Environmental Consulting
ADDRESS:	5101 East 6th Street Los Angeles CA 90022	CONTACT:	Scott Nunes
LAT/LONG:	34.027026 / 118.158087	INQUIRY #:	6793054.2s
		DATE:	December 17, 2021 3:17 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
SSE **FED USGS** **USGS40000139853**
1/4 - 1/2 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W05J001S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19520114	Well Depth:	470
Well Depth Units:	ft	Well Hole Depth:	470
Well Hole Depth Units:	ft		

A2
SSE **CA WELLS** **CAUSGSN00006712**
1/4 - 1/2 Mile
Lower

Well ID:	USGS-340125118091701	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-340125118091701	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340125118091701&store_num=		
GeoTracker Data:	Not Reported		

3
NE **FED USGS** **USGS40000139900**
1/4 - 1/2 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W05A001S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	390
Well Depth Units:	ft	Well Hole Depth:	530
Well Hole Depth Units:	ft		

A4
SSE **CA WELLS** **CADDW0000013654**
1/4 - 1/2 Mile
Lower

Well ID:	1910036-031	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 51-01 - INACTIVE	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910036-031&store_num=
GeoTracker Data: Not Reported

5
ESE **CA WELLS** **CADWR0000017906**
1/4 - 1/2 Mile
Lower

Well ID: 02S12W05J001S Well Type: UNK
Source: Department of Water Resources
Other Name: 02S12W05J001S GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S12W05J001S&store_num=
GeoTracker Data: Not Reported

B6
NE **CA WELLS** **CAEDF0000133799**
1/4 - 1/2 Mile
Higher

Well ID: 8953-MW02 Well Type: MONITORING
Source: EDF Other Name: MW02
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=8953&assigned_name=MW02&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=8953&assigned_name=MW02

B7
NE **CA WELLS** **CAEDF0000080817**
1/4 - 1/2 Mile
Higher

Well ID: 8953-MW01 Well Type: MONITORING
Source: EDF Other Name: MW01
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=8953&assigned_name=MW01&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=8953&assigned_name=MW01

B8
NE **CA WELLS** **CAEDF0000113823**
1/4 - 1/2 Mile
Higher

Well ID: 8953-MW03 Well Type: MONITORING
Source: EDF Other Name: MW03
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=8953&assigned_name=MW03&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=8953&assigned_name=MW03

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B9
NE
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR0000007641**

Well ID:	02S12W05A001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S12W05A001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S12W05A001S&store_num=		
GeoTracker Data:	Not Reported		

C10
South
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000006706**

Well ID:	T0603796319-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603796319&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603796319&assigned_name=MW-4		

C11
South
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000032486**

Well ID:	T0603796319-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603796319&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603796319&assigned_name=MW-1		

12
WSW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000024603**

Well ID:	02S12W05M001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S12W05M001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S12W05M001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C13
South
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000019870**

Well ID:	T0603796319-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603796319&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603796319&assigned_name=MW-2		

C14
South
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000071596**

Well ID:	T0603796319-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603796319&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603796319&assigned_name=MW-5		

15
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CADDW0000006700**

Well ID:	1910036-003	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 07-02 - INACTIVE	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910036-003&store_num=		
GeoTracker Data:	Not Reported		

C16
South
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000123292**

Well ID:	T0603796319-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603796319&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603796319&assigned_name=MW-3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C17
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000032651**

Well ID:	T0603796319-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603796319&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603796319&assigned_name=MW-6		

18
East
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000029412**

Well ID:	02S12W04E002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S12W04E002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S12W04E002S&store_num=		
GeoTracker Data:	Not Reported		

D19
NE
1/2 - 1 Mile
Higher

CA WELLS **2785**

Seq:	2785	Prim sta c:	02S/12W-05A01 S
Frds no:	1910036007	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 15-02	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340200.0	Longitude:	1180900.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D20
NE
1/2 - 1 Mile
Higher

CA WELLS **2786**

Seq:	2786	Prim sta c:	02S/12W-05B01 S
Frds no:	1910036017	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 32-01 - ABANDONED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340200.0	Longitude:	1180900.0
Precision:	8	Status:	AB
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

D21
NE
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000002106**

Well ID:	1910036-007	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 15-02 - DESTROYED	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910036-007&store_num=		
GeoTracker Data:	Not Reported		

22
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000139852**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S012W05M001S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	600
Well Depth Units:	ft	Well Hole Depth:	600
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

23
South
1/2 - 1 Mile
Lower

CA WELLS **CADWR0000005078**

Well ID: 02S12W08B001S
Well Type: UNK
Source: Department of Water Resources
Other Name: 02S12W08B001S
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S12W08B001S&store_num=
GeoTracker Data: Not Reported

E24
NE
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00001430**

Well ID: USGS-340159118085201
Well Type: UNK
Source: United States Geological Survey
Other Name: USGS-340159118085201
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-340159118085201&store_num=
GeoTracker Data: Not Reported

F25
South
1/2 - 1 Mile
Lower

AQUIFLOW **55192**

Site ID: 900570061
Groundwater Flow: Not Reported
Shallow Water Depth: 8.37
Deep Water Depth: 12
Average Water Depth: Not Reported
Date: 08/07/1996

G26
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000066796**

Well ID: T0603705422-MW5
Well Type: MONITORING
Source: EDF
Other Name: MW5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705422&assigned_name=MW5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705422&assigned_name=MW5

G27
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000098866**

Well ID: T0603705422-MW3
Well Type: MONITORING
Source: EDF
Other Name: MW3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705422&assigned_name=MW3&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705422&assigned_name=MW3

G28
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000111678**

Well ID:	T0603705422-MW8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705422&assigned_name=MW8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705422&assigned_name=MW8		

F29
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000075066**

Well ID:	T0603703182-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703182&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703182&assigned_name=MW-1		

F30
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000113007**

Well ID:	T0603739146-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603739146&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603739146&assigned_name=MW-1		

G31
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000037755**

Well ID:	T0603705422-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705422&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705422&assigned_name=MW2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G32
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000001423**

Well ID:	T0603705422-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705422&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705422&assigned_name=MW1		

G33
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000099262**

Well ID:	T0603705422-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705422&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705422&assigned_name=MW7		

E34
NE
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000008350**

Well ID:	1910036-012	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 25-01	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910036-012&store_num=		
GeoTracker Data:	Not Reported		

E35
NE
1/2 - 1 Mile
Higher

CA WELLS **CAPFAS000001385**

Well ID:	1910036-012	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 25-01	GAMA PFAS Testing:	Yes
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910036-012&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G36
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000091520**

Well ID:	T0603705422-MW9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705422&assigned_name=MW9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705422&assigned_name=MW9		

F37
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000100119**

Well ID:	T0603703182-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703182&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703182&assigned_name=MW-2		

F38
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000127316**

Well ID:	T0603739146-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603739146&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603739146&assigned_name=MW-2		

G39
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000138641**

Well ID:	T0603705422-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705422&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705422&assigned_name=MW4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G40
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000056008**

Well ID:	T0603705422-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603705422&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603705422&assigned_name=MW6		

F41
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000017771**

Well ID:	T0603703182-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603703182&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603703182&assigned_name=MW-3		

F42
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000062861**

Well ID:	T0603739146-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603739146&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603739146&assigned_name=MW-3		

F43
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000078121**

Well ID:	T0603739146-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603739146&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603739146&assigned_name=MW-4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

44
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000030917**

Well ID:	02S12W04C001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S12W04C001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S12W04C001S&store_num=		
GeoTracker Data:	Not Reported		

45
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADPR0000001267**

Well ID:	76515	Well Type:	UNK
Source:	Department of Pesticide Regulation		
Other Name:	76515	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=76515&store_num=		
GeoTracker Data:	Not Reported		

H46
SSE
1/2 - 1 Mile
Lower

CA WELLS **2802**

Seq:	2802	Prim sta c:	02S/12W-08B01 S
Frds no:	1910036030	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 50-01 - ABANDONED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340100.0	Longitude:	1180900.0
Precision:	8	Status:	AB
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

H47
SSE
1/2 - 1 Mile
Lower

CA WELLS **2790**

Seq:	2790	Prim sta c:	02S/12W-05Q01 S
Frds no:	1910036013	County:	19

District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 26-01 - ABANDONED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340100.0	Longitude:	1180900.0
Precision:	8	Status:	AB
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

H48
SSE
1/2 - 1 Mile
Lower

CA WELLS 2787

Seq:	2787	Prim sta c:	02S/12W-05J01 S
Frds no:	1910036031	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 51-01	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340100.0	Longitude:	1180900.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

Sample date:	30-DEC-15	Finding:	0.22
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		

Sample date:	30-DEC-15	Finding:	1.5
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		

Sample date:	30-DEC-15	Finding:	1.7
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		

Sample date:	30-DEC-15	Finding:	3.7
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dlr:	3.		

Sample date:	30-DEC-15	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	30-DEC-15	Finding:	19.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	30-DEC-15	Finding:	1800.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	30-DEC-15	Finding:	7.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	30-DEC-15	Finding:	1.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	30-DEC-15	Finding:	1.3
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	10-MAR-15	Finding:	0.452
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	02-MAR-15	Finding:	2.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-MAR-15	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-MAR-15	Finding:	23.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	24.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	05-JAN-15	Finding:	2.393
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	05-JAN-15	Finding:	57.4
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	05-JAN-15	Finding:	22.2
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	05-JAN-15	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-DEC-14	Finding:	2.6
Chemical:	1,4-DIOXANE	Report units:	UG/L

Dlr:	1.		
Sample date:	02-DEC-14	Finding:	0.46
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	01-DEC-14	Finding:	20.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	01-DEC-14	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-NOV-14	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-NOV-14	Finding:	24.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	25.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	58.56
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	08-SEP-14	Finding:	0.48
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	02-SEP-14	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-SEP-14	Finding:	2.6
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	04-AUG-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-JUL-14	Finding:	2.483
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	07-JUL-14	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	07-JUL-14	Finding:	53.42
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		

Sample date:	07-JUL-14	Finding:	3.039
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	07-JUL-14	Finding:	7.62
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUL-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	25-JUN-14	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	25-JUN-14	Finding:	0.46
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	25-JUN-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-JUN-14	Finding:	2.7
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-JUN-14	Finding:	7.73
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-MAY-14	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-APR-14	Finding:	56.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	27-MAR-14	Finding:	7.59
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-MAR-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	11-MAR-14	Finding:	0.54
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	11-MAR-14	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-MAR-14	Finding:	2.7
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	03-FEB-14	Finding:	7.25
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	07-JAN-14	Finding:	51.1
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	06-JAN-14	Finding:	6.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-DEC-13	Finding:	0.5
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	03-DEC-13	Finding:	2.6
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-DEC-13	Finding:	6.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-NOV-13	Finding:	6.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	22-OCT-13	Finding:	56.3
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	07-OCT-13	Finding:	7.39
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	24-SEP-13	Finding:	0.46
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	17-SEP-13	Finding:	2.6
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	03-SEP-13	Finding:	6.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-AUG-13	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	670.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	56.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	16-JUL-13	Finding:	0.26
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		

Sample date:	16-JUL-13	Finding:	120.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	16-JUL-13	Finding:	160.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	2.6
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	75.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	33.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	110.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	400.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	280.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	230.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	8.1
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	1100.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	0.93
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	4.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	16-JUL-13	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-JUL-13	Finding:	2.1
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	09-JUL-13	Finding:	55.
Chemical:	MANGANESE	Report units:	UG/L

Dlr:	20.		
Sample date:	01-JUL-13	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-JUN-13	Finding:	0.52
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	10-JUN-13	Finding:	3.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	03-JUN-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-MAY-13	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-APR-13	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-APR-13	Finding:	24.2
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-APR-13	Finding:	57.5
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	01-APR-13	Finding:	6.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAR-13	Finding:	0.5
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	11-MAR-13	Finding:	3.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	04-MAR-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-FEB-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	31-JAN-13	Finding:	52.2
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	31-JAN-13	Finding:	3.4
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		

Sample date:	07-JAN-13	Finding:	6.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-DEC-12	Finding:	2.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	03-DEC-12	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-NOV-12	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-OCT-12	Finding:	57.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	01-OCT-12	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-SEP-12	Finding:	2.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	04-SEP-12	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-AUG-12	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	17-JUL-12	Finding:	4.589
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	16-JUL-12	Finding:	56.3
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	02-JUL-12	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JUN-12	Finding:	2.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	04-JUN-12	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-MAY-12	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-APR-12	Finding:	49.7
Chemical:	MANGANESE	Report units:	UG/L

Dlr:	20.		
Sample date:	02-APR-12	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-MAR-12	Finding:	3.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	05-MAR-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-FEB-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-FEB-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	17-JAN-12	Finding:	50.9
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	17-JAN-12	Finding:	2.5
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	03-JAN-12	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

H49
SSE
1/2 - 1 Mile
Lower

CA WELLS 2784

Seq:	2784	Prim sta c:	02S/12W-04E02 S
Frds no:	1910036005	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 11-03 - ABANDONED	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340100.0	Longitude:	1180900.0
Precision:	8	Status:	AB
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
H50		
SSE	**CA WELLS**	**2783**
1/2 - 1 Mile		
Lower		

Seq:	2783	Prim sta c:	02S/12W-04C01 S
Frds no:	1910036012	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 25-01	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340100.0	Longitude:	1180900.0
Precision:	5	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

Sample date:	13-FEB-18	Finding:	4.54
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	14-NOV-17	Finding:	4.431
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	25-SEP-17	Finding:	0.35
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		

Sample date:	15-AUG-17	Finding:	4.434
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	09-MAY-17	Finding:	4.329
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	20-MAR-17	Finding:	0.34
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		

Sample date:	14-FEB-17	Finding:	4.473
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	15-NOV-16	Finding:	4.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	10-AUG-16	Finding:	4.589
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	09-MAY-16	Finding:	4.461
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-FEB-16	Finding:	4.516
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-JAN-16	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JAN-16	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	17-NOV-15	Finding:	4.488
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	13-OCT-15	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-OCT-15	Finding:	28.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	21-SEP-15	Finding:	0.31
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	10-AUG-15	Finding:	20.524
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-JUL-15	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-JUL-15	Finding:	21.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	01-JUN-15	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-JUN-15	Finding:	20.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	19-MAY-15	Finding:	20.51
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	04-MAY-15	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-MAY-15	Finding:	22.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C

Dlr:	0.		
Sample date:	20-APR-15	Finding:	890.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	20-APR-15	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-APR-15	Finding:	0.4
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-APR-15	Finding:	540.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	20-APR-15	Finding:	90.
Chemical:	ZINC	Report units:	UG/L
Dlr:	50.		
Sample date:	20-APR-15	Finding:	0.28
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	20-APR-15	Finding:	72.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	20-APR-15	Finding:	130.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	20-APR-15	Finding:	2.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	20-APR-15	Finding:	83.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	20-APR-15	Finding:	22.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	20-APR-15	Finding:	81.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	20-APR-15	Finding:	290.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	20-APR-15	Finding:	7.4
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-APR-15	Finding:	180.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		

Sample date:	20-APR-15	Finding:	210.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	06-APR-15	Finding:	23.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-APR-15	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-MAR-15	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-MAR-15	Finding:	23.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	09-FEB-15	Finding:	21.773
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	02-FEB-15	Finding:	24.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-JAN-15	Finding:	21.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	05-JAN-15	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-DEC-14	Finding:	0.33
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	01-DEC-14	Finding:	22.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	01-DEC-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	17-NOV-14	Finding:	22.168
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	03-NOV-14	Finding:	6.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-NOV-14	Finding:	25.
Chemical:	SOURCE TEMPERATURE C	Report units:	C

Dlr:	0.		
Sample date:	06-OCT-14	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	25.2
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-SEP-14	Finding:	0.33
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	02-SEP-14	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-AUG-14	Finding:	23.149
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	04-AUG-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-JUL-14	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUL-14	Finding:	7.74
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUL-14	Finding:	29.111
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	07-JUL-14	Finding:	0.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	07-JUL-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUL-14	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	07-JUL-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JUL-14	Finding:	27.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	07-APR-14	Finding:	25.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		

Sample date:	07-APR-14	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-MAR-14	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	11-MAR-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-MAR-14	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-MAR-14	Finding:	1.
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	10-MAR-14	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-MAR-14	Finding:	3.031
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		
Sample date:	10-MAR-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-MAR-14	Finding:	0.22
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	10-MAR-14	Finding:	3.
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	10-MAR-14	Finding:	0.45
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	10-MAR-14	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	10-MAR-14	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-MAR-14	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-FEB-14	Finding:	23.304
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	03-FEB-14	Finding:	7.41
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	06-JAN-14	Finding:	6.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-DEC-13	Finding:	0.33
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	02-DEC-13	Finding:	6.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-NOV-13	Finding:	24.057
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	04-NOV-13	Finding:	6.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-OCT-13	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	24-SEP-13	Finding:	0.33
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	03-SEP-13	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-AUG-13	Finding:	23.69
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	05-AUG-13	Finding:	8.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-JUL-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-JUN-13	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	03-JUN-13	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	28-MAY-13	Finding:	1.1
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	13-MAY-13	Finding:	24.381
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

Sample date:	01-APR-13	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAR-13	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	18-MAR-13	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-MAR-13	Finding:	1.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	07-JAN-13	Finding:	6.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-DEC-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-NOV-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	29-OCT-12	Finding:	22.589
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	01-OCT-12	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-SEP-12	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-AUG-12	Finding:	4.385
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-AUG-12	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JUL-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JUN-12	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-MAY-12	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	30-APR-12	Finding:	23.52
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

Dlr:	2.		
Sample date:	16-APR-12	Finding:	22.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	16-APR-12	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-APR-12	Finding:	0.83
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-APR-12	Finding:	610.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	16-APR-12	Finding:	78.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	16-APR-12	Finding:	150.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	16-APR-12	Finding:	2.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-APR-12	Finding:	81.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-APR-12	Finding:	27.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-APR-12	Finding:	100.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-APR-12	Finding:	360.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	16-APR-12	Finding:	240.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	16-APR-12	Finding:	200.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	16-APR-12	Finding:	8.1
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-APR-12	Finding:	1000.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		

Sample date:	16-APR-12	Finding:	0.29
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	02-APR-12	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-MAR-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-FEB-12	Finding:	22.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-FEB-12	Finding:	1.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	06-FEB-12	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-JAN-12	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

H51
SSE
1/2 - 1 Mile
Lower

CA WELLS **1490**

Seq:	1490	Prim sta c:	01S/12W-33P02 S
Frds no:	1910036018	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 33-01 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340100.0	Longitude:	1180900.0
Precision:	8	Status:	IR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

H52
SSE
1/2 - 1 Mile
Lower

CA WELLS **CADDW0000014881**

Well ID:	1910036-018	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 33-01 - INACTIVE	GAMA PFAS Testing:	Not Reported

Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910036-018&store_num=
GeoTracker Data: Not Reported

53
South **CA WELLS** **CADPR0000001792**
1/2 - 1 Mile
Lower

Well ID: 76514 Well Type: UNK
Source: Department of Pesticide Regulation
Other Name: 76514 GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DPR&samp_date=&global_id=&assigned_name=76514&store_num=
GeoTracker Data: Not Reported

I54
SW **CA WELLS** **CADDW0000019676**
1/2 - 1 Mile
Lower

Well ID: 1910036-024 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: WELL 39-01 - INACTIVE GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910036-024&store_num=
GeoTracker Data: Not Reported

I55
SW **CA WELLS** **CADDW0000010088**
1/2 - 1 Mile
Lower

Well ID: 1910036-021 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: WELL 37-01 - INACTIVE GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910036-021&store_num=
GeoTracker Data: Not Reported

I56
SW **CA WELLS** **CADDW0000012311**
1/2 - 1 Mile
Lower

Well ID: 1910036-002 Well Type: MUNICIPAL
Source: Department of Health Services
Other Name: WELL 06-02 - DESTROYED GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1910036-002&store_num=
GeoTracker Data: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I57
SW
1/2 - 1 Mile
Lower

CA WELLS **2799**

Seq:	2799	Prim sta c:	02S/12W-07G01 S
Frds no:	1910036024	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 39-01	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340100.0	Longitude:	1181000.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

I58
SW
1/2 - 1 Mile
Lower

CA WELLS **2789**

Seq:	2789	Prim sta c:	02S/12W-05P02 S
Frds no:	1910036003	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 07-02	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340100.0	Longitude:	1181000.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

Sample date:	18-JAN-12	Finding:	5.
Chemical:	COLOR	Report units:	UNITS
Dlr:	0.		

Sample date:	18-JAN-12	Finding:	3.414
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dlr:	1.		

Sample date:	18-JAN-12	Finding:	1000.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		

Sample date:	18-JAN-12	Finding:	8.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	210.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	260.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	350.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	92.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	30.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	71.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	2.9
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	120.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	120.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	18-JAN-12	Finding:	0.4
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	18-JAN-12	Finding:	18.
Chemical:	CHROMIUM (TOTAL)	Report units:	UG/L
Dlr:	10.		
Sample date:	18-JAN-12	Finding:	1200.
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	18-JAN-12	Finding:	77.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	18-JAN-12	Finding:	640.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	0.71
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported

Dlr:	0.		
Sample date:	18-JAN-12	Finding:	34.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-JAN-12	Finding:	2.
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	18-JAN-12	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	1.27
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	9.9e-002
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	0.24
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	0.6
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	22.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-JAN-12	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-JAN-12	Finding:	1.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		

I59
SW
1/2 - 1 Mile
Lower

CA WELLS 2800

Seq:	2800	Prim sta c:	02S/12W-07H01 S
Frds no:	1910036011	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 22-01	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340100.0	Longitude:	1181000.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		
Sample date:	19-MAR-18	Finding:	0.42
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	06-MAR-18	Finding:	1.44
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-MAR-18	Finding:	1.03
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-MAR-18	Finding:	1.96
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-FEB-18	Finding:	2.03
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-FEB-18	Finding:	1.51
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-FEB-18	Finding:	1.09
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	16-JAN-18	Finding:	6.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	09-JAN-18	Finding:	3.747
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-JAN-18	Finding:	2.01
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JAN-18	Finding:	1.19
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JAN-18	Finding:	1.03
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-DEC-17	Finding:	0.32
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	13-DEC-17	Finding:	184.6
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	13-DEC-17	Finding:	27.23

Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	13-DEC-17	Finding:	2.496
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-DEC-17	Finding:	67.36
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	13-DEC-17	Finding:	20.57
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	05-DEC-17	Finding:	2.23
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-DEC-17	Finding:	1.33
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-DEC-17	Finding:	1.11
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	1.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	2.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	1.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	16-OCT-17	Finding:	6.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	11-OCT-17	Finding:	3.911
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-OCT-17	Finding:	2.31
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-OCT-17	Finding:	1.34
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-OCT-17	Finding:	1.25
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-SEP-17	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		

Sample date:	19-SEP-17	Finding:	21.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	07-SEP-17	Finding:	1.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-17	Finding:	1.33
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-17	Finding:	2.25
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-AUG-17	Finding:	2.15
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-AUG-17	Finding:	1.25
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-AUG-17	Finding:	1.26
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-JUL-17	Finding:	4.028
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	10-JUL-17	Finding:	7.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	05-JUL-17	Finding:	1.14
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JUL-17	Finding:	2.15
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JUL-17	Finding:	1.24
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	19-JUN-17	Finding:	2.385
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-JUN-17	Finding:	47.62
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	19-JUN-17	Finding:	174.5
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	19-JUN-17	Finding:	27.04
Chemical:	MAGNESIUM	Report units:	MG/L

Dlr:	0.		
Sample date:	19-JUN-17	Finding:	104.8
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	14-JUN-17	Finding:	1.67
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-JUN-17	Finding:	1.22
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-JUN-17	Finding:	6.777
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	14-JUN-17	Finding:	0.65
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-APR-17	Finding:	6.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	04-APR-17	Finding:	0.96
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-APR-17	Finding:	1.47
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-APR-17	Finding:	2.24
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-MAR-17	Finding:	0.41
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	20-MAR-17	Finding:	20.41
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	07-MAR-17	Finding:	1.44
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-MAR-17	Finding:	2.12
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-MAR-17	Finding:	1.07
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-FEB-17	Finding:	1.3
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	07-FEB-17	Finding:	1.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-FEB-17	Finding:	2.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-JAN-17	Finding:	5.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	09-JAN-17	Finding:	3.951
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-JAN-17	Finding:	1.16
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JAN-17	Finding:	1.94
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JAN-17	Finding:	1.02
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	19-DEC-16	Finding:	2.499
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-DEC-16	Finding:	20.4
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	19-DEC-16	Finding:	21.35
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-DEC-16	Finding:	67.88
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	06-DEC-16	Finding:	1.32
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-DEC-16	Finding:	1.12
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-DEC-16	Finding:	2.27
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-NOV-16	Finding:	1.26
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-NOV-16	Finding:	2.28
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	08-NOV-16	Finding:	0.96
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-OCT-16	Finding:	6.5
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	12-OCT-16	Finding:	3.952
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-OCT-16	Finding:	0.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-OCT-16	Finding:	2.11
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-OCT-16	Finding:	1.31
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-16	Finding:	2.57
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-16	Finding:	1.23
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-16	Finding:	1.68
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-SEP-16	Finding:	88.36
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	06-SEP-16	Finding:	64.58
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	06-SEP-16	Finding:	2.446
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	06-SEP-16	Finding:	186.6
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	06-SEP-16	Finding:	20.15
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	02-AUG-16	Finding:	1.27
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	02-AUG-16	Finding:	2.13
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-AUG-16	Finding:	0.87
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-JUL-16	Finding:	3.843
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	11-JUL-16	Finding:	6.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	06-JUL-16	Finding:	2.09
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JUL-16	Finding:	1.17
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JUL-16	Finding:	0.85
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JUN-16	Finding:	21.2
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-JUN-16	Finding:	1.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JUN-16	Finding:	2.16
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JUN-16	Finding:	67.17
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-JUN-16	Finding:	2.495
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	07-JUN-16	Finding:	177.8
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	07-JUN-16	Finding:	0.81
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-MAY-16	Finding:	1.16
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-MAY-16	Finding:	2.16
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	03-MAY-16	Finding:	0.83
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	19-APR-16	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-APR-16	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-APR-16	Finding:	530.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	19-APR-16	Finding:	21.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	19-APR-16	Finding:	0.29
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	19-APR-16	Finding:	110.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	19-APR-16	Finding:	94.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	19-APR-16	Finding:	2.5
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-APR-16	Finding:	66.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-APR-16	Finding:	20.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-APR-16	Finding:	89.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	19-APR-16	Finding:	300.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-APR-16	Finding:	3.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	19-APR-16	Finding:	240.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		

Sample date:	19-APR-16	Finding:	190.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	19-APR-16	Finding:	7.
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-APR-16	Finding:	860.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	19-APR-16	Finding:	27.1
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-APR-16	Finding:	0.22
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-APR-16	Finding:	28.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	18-APR-16	Finding:	1.6
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-APR-16	Finding:	0.28
Chemical:	RADIUM 226 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-APR-16	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-APR-16	Finding:	0.74
Chemical:	RADIUM 228 MDA95	Report units:	PCI/L
Dlr:	0.		
Sample date:	18-APR-16	Finding:	0.1
Chemical:	RADIUM 226 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	12-APR-16	Finding:	3.879
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-APR-16	Finding:	4.9
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	04-APR-16	Finding:	0.86
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-APR-16	Finding:	2.28
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-APR-16	Finding:	1.34
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	08-MAR-16	Finding:	66.5
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-MAR-16	Finding:	2.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-16	Finding:	1.46
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-16	Finding:	0.98
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-16	Finding:	21.46
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-MAR-16	Finding:	179.7
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	08-MAR-16	Finding:	2.536
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-MAR-16	Finding:	20.89
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	02-FEB-16	Finding:	1.02
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-FEB-16	Finding:	2.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-FEB-16	Finding:	1.34
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	19-JAN-16	Finding:	5.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	11-JAN-16	Finding:	3.805
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-JAN-16	Finding:	2.21
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JAN-16	Finding:	1.31
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	05-JAN-16	Finding:	0.83
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	21-DEC-15	Finding:	0.36
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	08-DEC-15	Finding:	0.88
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-DEC-15	Finding:	2.12
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-DEC-15	Finding:	1.34
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-DEC-15	Finding:	20.31
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	02-DEC-15	Finding:	178.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-NOV-15	Finding:	2.18
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-15	Finding:	1.39
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-15	Finding:	0.88
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-NOV-15	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-NOV-15	Finding:	23.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	05-OCT-15	Finding:	6.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	05-OCT-15	Finding:	0.94
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-OCT-15	Finding:	1.35
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-OCT-15	Finding:	2.09
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	21-SEP-15	Finding:	0.36
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	08-SEP-15	Finding:	0.99
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-SEP-15	Finding:	2.43
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-SEP-15	Finding:	1.54
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-AUG-15	Finding:	1.56
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-AUG-15	Finding:	2.45
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-AUG-15	Finding:	0.94
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-AUG-15	Finding:	1.52
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-AUG-15	Finding:	2.39
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-AUG-15	Finding:	0.95
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-JUL-15	Finding:	7.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	07-JUL-15	Finding:	2.56
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JUL-15	Finding:	1.64
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JUL-15	Finding:	5.38
Chemical:	METHYL ETHYL KETONE	Report units:	UG/L
Dlr:	5.		
Sample date:	07-JUL-15	Finding:	0.97
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	06-JUL-15	Finding:	22.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-JUL-15	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	09-JUN-15	Finding:	3.984
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	09-JUN-15	Finding:	4.45
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	08-JUN-15	Finding:	0.45
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	02-JUN-15	Finding:	1.68
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUN-15	Finding:	2.75
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUN-15	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	02-JUN-15	Finding:	1.02
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-JUN-15	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	01-JUN-15	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	29-MAY-15	Finding:	31.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	28-MAY-15	Finding:	1.87
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-MAY-15	Finding:	1.25
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	28-MAY-15	Finding:	0.91
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAY-15	Finding:	1.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	26-MAY-15	Finding:	1.4
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	26-MAY-15	Finding:	0.92
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-APR-15	Finding:	22.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-APR-15	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-APR-15	Finding:	1.06
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-APR-15	Finding:	2.79
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-APR-15	Finding:	1.77
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-APR-15	Finding:	7.1
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	10-MAR-15	Finding:	0.328
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	02-MAR-15	Finding:	1.49
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAR-15	Finding:	0.95
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAR-15	Finding:	21.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	02-MAR-15	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-MAR-15	Finding:	2.41
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-FEB-15	Finding:	1.83
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	02-FEB-15	Finding:	23.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	3.05
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-FEB-15	Finding:	1.03
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-JAN-15	Finding:	6.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	05-JAN-15	Finding:	1.59
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JAN-15	Finding:	0.96
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JAN-15	Finding:	23.7
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	05-JAN-15	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-JAN-15	Finding:	2.65
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-DEC-14	Finding:	5.513
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	08-DEC-14	Finding:	21.23
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	02-DEC-14	Finding:	0.37
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	01-DEC-14	Finding:	22.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	01-DEC-14	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-DEC-14	Finding:	2.93
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	01-DEC-14	Finding:	1.71
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-DEC-14	Finding:	0.96
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-14	Finding:	2.78
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-14	Finding:	1.74
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-14	Finding:	0.94
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-NOV-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-NOV-14	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-OCT-14	Finding:	0.94
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-OCT-14	Finding:	2.83
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-OCT-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	27.3
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	7.6
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	08-SEP-14	Finding:	3.919
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	08-SEP-14	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		

Sample date:	08-SEP-14	Finding:	20.09
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	02-SEP-14	Finding:	1.93
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-SEP-14	Finding:	2.93
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-SEP-14	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-SEP-14	Finding:	1.03
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-AUG-14	Finding:	1.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-AUG-14	Finding:	1.2
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-AUG-14	Finding:	2.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-AUG-14	Finding:	7.54
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-JUL-14	Finding:	1.4
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	07-JUL-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-JUL-14	Finding:	1.72
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-JUL-14	Finding:	0.92
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-JUL-14	Finding:	6.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	01-JUL-14	Finding:	2.61
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUN-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	25-JUN-14	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	25-JUN-14	Finding:	0.35
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	02-JUN-14	Finding:	1.96
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUN-14	Finding:	7.91
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JUN-14	Finding:	0.98
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUN-14	Finding:	2.66
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-MAY-14	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	05-MAY-14	Finding:	1.11
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-MAY-14	Finding:	2.13
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-MAY-14	Finding:	3.05
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-MAY-14	Finding:	7.94
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-APR-14	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-APR-14	Finding:	6.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	07-APR-14	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	02-APR-14	Finding:	2.
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	02-APR-14	Finding:	3.02
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-APR-14	Finding:	1.09
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-MAR-14	Finding:	0.4
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	11-MAR-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-MAR-14	Finding:	20.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	03-MAR-14	Finding:	0.79
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-MAR-14	Finding:	7.48
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-MAR-14	Finding:	2.77
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-MAR-14	Finding:	1.82
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-FEB-14	Finding:	2.94
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-FEB-14	Finding:	1.81
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-FEB-14	Finding:	0.82
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-FEB-14	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	27-JAN-14	Finding:	1.85
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JAN-14	Finding:	2.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	27-JAN-14	Finding:	0.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	08-JAN-14	Finding:	6.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	06-JAN-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-DEC-13	Finding:	0.37
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	09-DEC-13	Finding:	0.91
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-DEC-13	Finding:	1.93
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-DEC-13	Finding:	3.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-DEC-13	Finding:	4.7
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	05-DEC-13	Finding:	28.8
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	02-DEC-13	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-NOV-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	20-NOV-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	19-NOV-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-NOV-13	Finding:	0.83
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-NOV-13	Finding:	1.83
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-NOV-13	Finding:	2.63
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	18-NOV-13	Finding:	21.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	13-NOV-13	Finding:	0.82
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-NOV-13	Finding:	1.4
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	13-NOV-13	Finding:	6.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	13-NOV-13	Finding:	1.84
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-NOV-13	Finding:	1.09
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-13	Finding:	29.421
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	04-NOV-13	Finding:	7.73
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-SEP-13	Finding:	22.4
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	10-SEP-13	Finding:	41.9
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	10-SEP-13	Finding:	0.77
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-SEP-13	Finding:	2.71
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-SEP-13	Finding:	1.62
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-SEP-13	Finding:	7.92
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-AUG-13	Finding:	2.82
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-AUG-13	Finding:	0.93
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	13-AUG-13	Finding:	1.75
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-AUG-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	25-JUL-13	Finding:	2.11
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUL-13	Finding:	2.72
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-JUL-13	Finding:	0.92
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-JUL-13	Finding:	6.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	01-JUL-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-JUN-13	Finding:	0.46
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	04-JUN-13	Finding:	20.5
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	04-JUN-13	Finding:	24.6
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-JUN-13	Finding:	2.53
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JUN-13	Finding:	1.87
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JUN-13	Finding:	0.91
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JUN-13	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-MAY-13	Finding:	3.14
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	15-MAY-13	Finding:	1.05
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-MAY-13	Finding:	2.16
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-MAY-13	Finding:	6.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-APR-13	Finding:	87.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	08-APR-13	Finding:	1.92
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-APR-13	Finding:	7.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	08-APR-13	Finding:	21.9
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-APR-13	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-APR-13	Finding:	910.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	08-APR-13	Finding:	8.1
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-APR-13	Finding:	210.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	08-APR-13	Finding:	250.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	08-APR-13	Finding:	300.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	08-APR-13	Finding:	89.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-APR-13	Finding:	20.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-APR-13	Finding:	64.
Chemical:	SODIUM	Report units:	MG/L

Dlr:	0.		
Sample date:	08-APR-13	Finding:	2.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	08-APR-13	Finding:	0.87
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-APR-13	Finding:	110.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	08-APR-13	Finding:	0.3
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	08-APR-13	Finding:	21.
Chemical:	MANGANESE	Report units:	UG/L
Dlr:	20.		
Sample date:	08-APR-13	Finding:	540.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	08-APR-13	Finding:	0.81
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-APR-13	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-APR-13	Finding:	21.9
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-APR-13	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-APR-13	Finding:	21.9
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	08-APR-13	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-APR-13	Finding:	2.99
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-APR-13	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-MAR-13	Finding:	0.4
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		

Sample date:	11-MAR-13	Finding:	20.4
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	11-MAR-13	Finding:	2.97
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-MAR-13	Finding:	1.94
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-MAR-13	Finding:	0.84
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-MAR-13	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-FEB-13	Finding:	2.98
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-FEB-13	Finding:	2.06
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-FEB-13	Finding:	0.84
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-FEB-13	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JAN-13	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-JAN-13	Finding:	0.77
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JAN-13	Finding:	2.82
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JAN-13	Finding:	1.83
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JAN-13	Finding:	7.7
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	12-DEC-12	Finding:	12.5
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-DEC-12	Finding:	0.96
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	04-DEC-12	Finding:	3.18
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-DEC-12	Finding:	2.03
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-DEC-12	Finding:	6.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-NOV-12	Finding:	0.94
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-NOV-12	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-NOV-12	Finding:	2.54
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-NOV-12	Finding:	1.96
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-OCT-12	Finding:	7.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	08-OCT-12	Finding:	3.06
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-OCT-12	Finding:	0.87
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-OCT-12	Finding:	1.78
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-OCT-12	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-SEP-12	Finding:	3.14
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-SEP-12	Finding:	2.14
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-SEP-12	Finding:	1.04
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	04-SEP-12	Finding:	42.1
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-SEP-12	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-AUG-12	Finding:	2.75
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-AUG-12	Finding:	1.77
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-AUG-12	Finding:	0.94
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-AUG-12	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-JUL-12	Finding:	2.95
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-JUL-12	Finding:	0.93
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	10-JUL-12	Finding:	1.82
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-JUL-12	Finding:	6.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-JUL-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	26.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-JUN-12	Finding:	9.9
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	04-JUN-12	Finding:	2.07
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JUN-12	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	04-JUN-12	Finding:	3.07
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JUN-12	Finding:	0.93
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-MAY-12	Finding:	1.86
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-MAY-12	Finding:	2.65
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-MAY-12	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	07-MAY-12	Finding:	0.98
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-APR-12	Finding:	0.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-APR-12	Finding:	1.81
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-APR-12	Finding:	8.1
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-APR-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-APR-12	Finding:	2.86
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-MAR-12	Finding:	31.3
Chemical:	IRON	Report units:	UG/L
Dlr:	100.		
Sample date:	05-MAR-12	Finding:	1.88
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-MAR-12	Finding:	2.87
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-MAR-12	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	05-MAR-12	Finding:	1.
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-FEB-12	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-FEB-12	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-FEB-12	Finding:	2.95
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-FEB-12	Finding:	0.83
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-FEB-12	Finding:	1.77
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-JAN-12	Finding:	2.83
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-JAN-12	Finding:	1.67
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-JAN-12	Finding:	0.92
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-JAN-12	Finding:	7.5
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	09-JAN-12	Finding:	2.88
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-JAN-12	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-JAN-12	Finding:	0.93
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JAN-12	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I60
SW
1/2 - 1 Mile
Lower

CA WELLS **2804**

Seq:	2804	Prim sta c:	02S/12W-08F01 S
Frds no:	1910036025	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 43-01	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340100.0	Longitude:	1181000.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

Sample date:	06-MAR-18	Finding:	1.33
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	06-MAR-18	Finding:	4.28
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	06-MAR-18	Finding:	0.69
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	20-FEB-18	Finding:	0.4
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		

Sample date:	20-FEB-18	Finding:	2.9
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		

Sample date:	14-FEB-18	Finding:	6.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	13-FEB-18	Finding:	6.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	12-FEB-18	Finding:	6.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	09-FEB-18	Finding:	6.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		

Sample date:	08-FEB-18	Finding:	6.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	30-JAN-18	Finding:	1.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-JAN-18	Finding:	5.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	30-JAN-18	Finding:	0.61
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-JAN-18	Finding:	1.7
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	03-JAN-18	Finding:	0.64
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JAN-18	Finding:	1.24
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JAN-18	Finding:	3.78
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JAN-18	Finding:	5.969
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-DEC-17	Finding:	3.75
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-DEC-17	Finding:	0.69
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-DEC-17	Finding:	1.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-NOV-17	Finding:	0.42
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	13-NOV-17	Finding:	3.3
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	06-NOV-17	Finding:	0.72
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	4.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	06-NOV-17	Finding:	1.32
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-OCT-17	Finding:	1.58
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-OCT-17	Finding:	4.51
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-OCT-17	Finding:	5.872
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	03-OCT-17	Finding:	0.68
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-17	Finding:	1.49
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-17	Finding:	0.75
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-17	Finding:	4.1
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-AUG-17	Finding:	0.45
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	14-AUG-17	Finding:	2.9
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	01-AUG-17	Finding:	0.66
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-AUG-17	Finding:	1.45
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-AUG-17	Finding:	4.01
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-JUL-17	Finding:	211.7
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	18-JUL-17	Finding:	2.406
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		

Sample date:	18-JUL-17	Finding:	71.1
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	18-JUL-17	Finding:	22.96
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	10-JUL-17	Finding:	5.631
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	05-JUL-17	Finding:	1.52
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JUL-17	Finding:	4.22
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JUL-17	Finding:	0.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JUL-17	Finding:	1.6
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	06-JUN-17	Finding:	4.19
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JUN-17	Finding:	0.66
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JUN-17	Finding:	1.5
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAY-17	Finding:	0.42
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	08-MAY-17	Finding:	3.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-MAY-17	Finding:	1.32
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAY-17	Finding:	4.24
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAY-17	Finding:	0.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-APR-17	Finding:	0.64
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	05-APR-17	Finding:	1.91
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-APR-17	Finding:	4.08
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-APR-17	Finding:	5.911
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-MAR-17	Finding:	0.83
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-17	Finding:	1.4
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-17	Finding:	4.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-FEB-17	Finding:	3.6
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	09-FEB-17	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	07-FEB-17	Finding:	0.98
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-FEB-17	Finding:	1.7
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-FEB-17	Finding:	4.9
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-JAN-17	Finding:	5.947
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-JAN-17	Finding:	0.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JAN-17	Finding:	1.33
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JAN-17	Finding:	3.87
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	20-DEC-16	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	5.5
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	20-DEC-16	Finding:	0.26
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	560.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	570.
Chemical:	STRONTIUM - 90 COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	0.31
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	20-DEC-16	Finding:	110.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	20-DEC-16	Finding:	100.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	2.5
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	73.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	23.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	96.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	330.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	5.5
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	20-DEC-16	Finding:	270.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	220.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L

Dlr:	0.		
Sample date:	20-DEC-16	Finding:	7.5
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	930.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		
Sample date:	20-DEC-16	Finding:	0.13
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	07-DEC-16	Finding:	1.35
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-DEC-16	Finding:	4.35
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-DEC-16	Finding:	0.59
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-NOV-16	Finding:	0.37
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	14-NOV-16	Finding:	4.2
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	08-NOV-16	Finding:	0.56
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-NOV-16	Finding:	1.34
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-NOV-16	Finding:	3.99
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-OCT-16	Finding:	6.086
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	04-OCT-16	Finding:	4.35
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-OCT-16	Finding:	0.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-OCT-16	Finding:	1.51
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	07-SEP-16	Finding:	1.56
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-16	Finding:	4.03
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-SEP-16	Finding:	0.55
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-AUG-16	Finding:	0.41
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	09-AUG-16	Finding:	4.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	03-AUG-16	Finding:	1.55
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-AUG-16	Finding:	0.58
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-AUG-16	Finding:	4.06
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-JUL-16	Finding:	2.455
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUL-16	Finding:	70.99
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUL-16	Finding:	22.92
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	12-JUL-16	Finding:	223.3
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	11-JUL-16	Finding:	5.966
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	06-JUL-16	Finding:	1.42
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JUL-16	Finding:	3.82
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JUL-16	Finding:	1.6
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L

Dlr:	1.		
Sample date:	07-JUN-16	Finding:	1.55
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JUN-16	Finding:	0.51
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JUN-16	Finding:	4.16
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-MAY-16	Finding:	0.37
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	09-MAY-16	Finding:	3.6
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	03-MAY-16	Finding:	4.65
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-MAY-16	Finding:	1.69
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-MAY-16	Finding:	0.53
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-APR-16	Finding:	4.37
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-APR-16	Finding:	1.69
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-APR-16	Finding:	0.59
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-APR-16	Finding:	5.945
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-MAR-16	Finding:	1.63
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-16	Finding:	3.85
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-MAR-16	Finding:	0.58
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	10-FEB-16	Finding:	2.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	02-FEB-16	Finding:	4.24
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-FEB-16	Finding:	0.71
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-FEB-16	Finding:	1.73
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-FEB-16	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	05-JAN-16	Finding:	4.26
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-JAN-16	Finding:	1.71
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JAN-16	Finding:	1.6
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	04-JAN-16	Finding:	5.977
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	08-DEC-15	Finding:	4.24
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-DEC-15	Finding:	0.6
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-DEC-15	Finding:	1.67
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	25-NOV-15	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	25-NOV-15	Finding:	6.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	24-NOV-15	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	24-NOV-15	Finding:	6.1
Chemical:	NITRATE (AS N)	Report units:	MG/L

Dlr:	0.4		
Sample date:	23-NOV-15	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-NOV-15	Finding:	6.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	20-NOV-15	Finding:	6.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	20-NOV-15	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-NOV-15	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-NOV-15	Finding:	6.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dlr:	0.4		
Sample date:	13-NOV-15	Finding:	0.54
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	13-NOV-15	Finding:	1.5
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-NOV-15	Finding:	4.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-NOV-15	Finding:	0.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-15	Finding:	0.65
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-15	Finding:	2.13
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-15	Finding:	4.42
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-15	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	02-NOV-15	Finding:	3.6
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		

Sample date:	02-NOV-15	Finding:	0.38
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	02-NOV-15	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-NOV-15	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	20-OCT-15	Finding:	1.99
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-OCT-15	Finding:	4.54
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	20-OCT-15	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	20-OCT-15	Finding:	0.65
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-OCT-15	Finding:	0.7
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-OCT-15	Finding:	2.06
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-OCT-15	Finding:	4.52
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-OCT-15	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	05-OCT-15	Finding:	26.208
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	09-SEP-15	Finding:	4.54
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-SEP-15	Finding:	0.75
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-SEP-15	Finding:	2.14
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	17-AUG-15	Finding:	0.39
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L

Dlr:	0.3		
Sample date:	11-AUG-15	Finding:	4.67
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-AUG-15	Finding:	2.
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-AUG-15	Finding:	0.68
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-AUG-15	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	03-AUG-15	Finding:	3.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	21-JUL-15	Finding:	218.2
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	14-JUL-15	Finding:	0.57
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-JUL-15	Finding:	1.71
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-JUL-15	Finding:	4.47
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-JUL-15	Finding:	1.6
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	07-JUL-15	Finding:	26.897
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	06-JUL-15	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-JUL-15	Finding:	22.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	09-JUN-15	Finding:	4.96
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-JUN-15	Finding:	0.65
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	09-JUN-15	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	09-JUN-15	Finding:	2.15
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-JUN-15	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-JUN-15	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	11-MAY-15	Finding:	0.41
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	11-MAY-15	Finding:	23.8
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	11-MAY-15	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	11-MAY-15	Finding:	24.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	11-MAY-15	Finding:	0.63
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-MAY-15	Finding:	3.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	11-MAY-15	Finding:	4.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-MAY-15	Finding:	1.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	11-MAY-15	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-MAY-15	Finding:	23.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	04-MAY-15	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	14-APR-15	Finding:	2.26
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	14-APR-15	Finding:	0.75
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-APR-15	Finding:	5.
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-APR-15	Finding:	26.825
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	14-APR-15	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	06-APR-15	Finding:	7.3
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-APR-15	Finding:	21.4
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	19-MAR-15	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-MAR-15	Finding:	26.924
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	17-MAR-15	Finding:	26.86
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	16-MAR-15	Finding:	26.919
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	13-MAR-15	Finding:	29.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	12-MAR-15	Finding:	0.76
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-MAR-15	Finding:	1.6
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-MAR-15	Finding:	4.6
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAR-15	Finding:	2.03
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	02-MAR-15	Finding:	4.48
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAR-15	Finding:	0.63
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-MAR-15	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-MAR-15	Finding:	20.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	03-FEB-15	Finding:	0.63
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-FEB-15	Finding:	2.06
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-FEB-15	Finding:	5.21
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-FEB-15	Finding:	0.43
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	03-FEB-15	Finding:	3.1
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	03-FEB-15	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-FEB-15	Finding:	23.6
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	20-JAN-15	Finding:	27.133
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	12-JAN-15	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	12-JAN-15	Finding:	0.63
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-JAN-15	Finding:	1.94
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	12-JAN-15	Finding:	4.53
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-JAN-15	Finding:	1.6
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	05-JAN-15	Finding:	23.2
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	05-JAN-15	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-DEC-14	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	08-DEC-14	Finding:	2.15
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-DEC-14	Finding:	0.77
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	08-DEC-14	Finding:	5.22
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-DEC-14	Finding:	21.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	01-DEC-14	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	25-NOV-14	Finding:	0.4
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	04-NOV-14	Finding:	0.68
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-14	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	04-NOV-14	Finding:	2.05
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-NOV-14	Finding:	4.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	03-NOV-14	Finding:	21.9
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	03-NOV-14	Finding:	3.8
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	03-NOV-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-OCT-14	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-OCT-14	Finding:	22.9
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	23.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	06-OCT-14	Finding:	27.245
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	01-OCT-14	Finding:	0.68
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-OCT-14	Finding:	5.07
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-OCT-14	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	01-OCT-14	Finding:	2.21
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-SEP-14	Finding:	0.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	09-SEP-14	Finding:	2.59
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-SEP-14	Finding:	0.83
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-SEP-14	Finding:	5.16
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	02-SEP-14	Finding:	6.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-AUG-14	Finding:	0.87
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-AUG-14	Finding:	0.55
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	12-AUG-14	Finding:	4.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	12-AUG-14	Finding:	2.3
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-AUG-14	Finding:	4.3
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-AUG-14	Finding:	0.12
Chemical:	AMMONIA (NH3-N)	Report units:	MG/L
Dlr:	0.		
Sample date:	04-AUG-14	Finding:	7.59
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	23-JUL-14	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	22-JUL-14	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	21-JUL-14	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	21-JUL-14	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-JUL-14	Finding:	5.22
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	21-JUL-14	Finding:	0.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	21-JUL-14	Finding:	0.97
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		

Sample date:	21-JUL-14	Finding:	21.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	21-JUL-14	Finding:	3.03
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	18-JUL-14	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	18-JUL-14	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-JUL-14	Finding:	21.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	17-JUL-14	Finding:	28.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	15-JUL-14	Finding:	0.77
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-JUL-14	Finding:	1.8
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-JUL-14	Finding:	4.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-JUL-14	Finding:	1.7
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	07-JUL-14	Finding:	27.198
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	07-JUL-14	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-JUL-14	Finding:	260.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	01-JUL-14	Finding:	4.8
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-JUL-14	Finding:	0.52
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	01-JUL-14	Finding:	3.1
Chemical:	VANADIUM	Report units:	UG/L

Dlr:	3.		
Sample date:	01-JUL-14	Finding:	2.1
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-JUL-14	Finding:	0.84
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUN-14	Finding:	5.2
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUN-14	Finding:	2.
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUN-14	Finding:	0.82
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-JUN-14	Finding:	0.51
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	02-JUN-14	Finding:	2.82
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUN-14	Finding:	5.28
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUN-14	Finding:	7.74
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JUN-14	Finding:	0.88
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-JUN-14	Finding:	0.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	12-MAY-14	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	12-MAY-14	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	12-MAY-14	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAY-14	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		

Sample date:	12-MAY-14	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAY-14	Finding:	0.48
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	12-MAY-14	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	12-MAY-14	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAY-14	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	12-MAY-14	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-MAY-14	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-MAY-14	Finding:	0.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	05-MAY-14	Finding:	5.27
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-MAY-14	Finding:	7.79
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	05-MAY-14	Finding:	2.81
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-MAY-14	Finding:	0.93
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	05-MAY-14	Finding:	4.
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	15-APR-14	Finding:	0.93
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-APR-14	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	15-APR-14	Finding:	2.61
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	15-APR-14	Finding:	5.02
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-APR-14	Finding:	4.44
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-APR-14	Finding:	1.41
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	01-APR-14	Finding:	3.9
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	01-APR-14	Finding:	2.26
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	01-APR-14	Finding:	0.86
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-MAR-14	Finding:	1.06
Chemical:	BROMODICHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	31-MAR-14	Finding:	1.06
Chemical:	DIBROMOCHLOROMETHANE (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	31-MAR-14	Finding:	1.58
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	31-MAR-14	Finding:	4.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	31-MAR-14	Finding:	4.5
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-MAR-14	Finding:	2.22
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-MAR-14	Finding:	0.83
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	31-MAR-14	Finding:	3.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	28-MAR-14	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		

Sample date:	28-MAR-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	28-MAR-14	Finding:	0.57
Chemical:	TOTAL ORGANIC CARBON (TOC)	Report units:	MG/L
Dlr:	0.3		
Sample date:	28-MAR-14	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	28-MAR-14	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	28-MAR-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	28-MAR-14	Finding:	22.
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		
Sample date:	28-MAR-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	28-MAR-14	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-JAN-14	Finding:	27.817
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	07-JAN-14	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	07-JAN-14	Finding:	0.75
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JAN-14	Finding:	2.25
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	07-JAN-14	Finding:	4.57
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	06-JAN-14	Finding:	7.86
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	02-JAN-14	Finding:	1.5
Chemical:	CHROMIUM, HEXAVALENT	Report units:	UG/L
Dlr:	1.		
Sample date:	09-DEC-13	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L

Dlr:	0.		
Sample date:	09-DEC-13	Finding:	5.02
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-DEC-13	Finding:	2.82
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-DEC-13	Finding:	0.87
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	02-DEC-13	Finding:	7.9
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	18-NOV-13	Finding:	7.75
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	13-NOV-13	Finding:	3.5
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	12-NOV-13	Finding:	5.44
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-NOV-13	Finding:	3.
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-NOV-13	Finding:	0.83
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	12-NOV-13	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	04-NOV-13	Finding:	7.63
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	28-OCT-13	Finding:	7.75
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-OCT-13	Finding:	7.81
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	15-OCT-13	Finding:	27.687
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	14-OCT-13	Finding:	7.84
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		

Sample date:	09-OCT-13	Finding:	5.29
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-OCT-13	Finding:	2.99
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-OCT-13	Finding:	0.77
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-OCT-13	Finding:	0.5
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	07-OCT-13	Finding:	7.54
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	30-SEP-13	Finding:	7.72
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	23-SEP-13	Finding:	7.82
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-SEP-13	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	16-SEP-13	Finding:	4.99
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	16-SEP-13	Finding:	7.84
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-SEP-13	Finding:	0.99
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	16-SEP-13	Finding:	2.62
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	09-SEP-13	Finding:	7.83
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	03-SEP-13	Finding:	7.78
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-AUG-13	Finding:	7.88
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	19-AUG-13	Finding:	7.59
Chemical:	PH, FIELD	Report units:	Not Reported

Dlr:	0.		
Sample date:	13-AUG-13	Finding:	5.16
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-AUG-13	Finding:	2.64
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-AUG-13	Finding:	0.98
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	13-AUG-13	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	12-AUG-13	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	12-AUG-13	Finding:	3.7
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		
Sample date:	05-AUG-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	29-JUL-13	Finding:	7.4
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	22-JUL-13	Finding:	1.16
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dlr:	0.		
Sample date:	22-JUL-13	Finding:	7.1
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	0.14
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dlr:	0.1		
Sample date:	16-JUL-13	Finding:	13.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	27.83
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	16-JUL-13	Finding:	250.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	16-JUL-13	Finding:	930.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dlr:	0.		

Sample date:	16-JUL-13	Finding:	8.3
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	210.
Chemical:	ALKALINITY (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	250.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	4.5
Chemical:	CARBONATE ALKALINITY	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	330.
Chemical:	HARDNESS (TOTAL) AS CACO3	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	95.
Chemical:	CALCIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	23.
Chemical:	MAGNESIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	70.
Chemical:	SODIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	2.4
Chemical:	POTASSIUM	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	100.
Chemical:	CHLORIDE	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	110.
Chemical:	SULFATE	Report units:	MG/L
Dlr:	0.5		
Sample date:	16-JUL-13	Finding:	0.27
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dlr:	0.1		
Sample date:	16-JUL-13	Finding:	550.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	1.
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dlr:	0.		
Sample date:	16-JUL-13	Finding:	27.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	15-JUL-13	Finding:	1.02
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L

Dlr:	0.5		
Sample date:	15-JUL-13	Finding:	2.78
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-JUL-13	Finding:	5.17
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	15-JUL-13	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	15-JUL-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	08-JUL-13	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	01-JUL-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	24-JUN-13	Finding:	7.2
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	20-JUN-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	10-JUN-13	Finding:	7.7
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	04-JUN-13	Finding:	0.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	04-JUN-13	Finding:	1.05
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JUN-13	Finding:	3.21
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	04-JUN-13	Finding:	4.52
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	03-JUN-13	Finding:	7.6
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	29-MAY-13	Finding:	4.4
Chemical:	1,4-DIOXANE	Report units:	UG/L
Dlr:	1.		

Sample date:	29-MAY-13	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	29-MAY-13	Finding:	1.09
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-MAY-13	Finding:	2.85
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-MAY-13	Finding:	4.45
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-MAY-13	Finding:	8.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	21-MAY-13	Finding:	3.3
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	21-MAY-13	Finding:	1.19
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	21-MAY-13	Finding:	3.04
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	21-MAY-13	Finding:	4.91
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	21-MAY-13	Finding:	1.12
Chemical:	CHLOROFORM (THM)	Report units:	UG/L
Dlr:	1.		
Sample date:	14-MAY-13	Finding:	7.8
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	30-APR-13	Finding:	7.
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	23-APR-13	Finding:	28.746
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	23-APR-13	Finding:	5.01
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-APR-13	Finding:	3.2
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	23-APR-13	Finding:	0.6
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L

Dlr:	0.		
Sample date:	23-APR-13	Finding:	1.05
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-JAN-13	Finding:	27.712
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	29-JAN-13	Finding:	4.7
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-JAN-13	Finding:	2.97
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-JAN-13	Finding:	0.9
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	29-JAN-13	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	14-NOV-12	Finding:	27.724
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	14-NOV-12	Finding:	1.1
Chemical:	TRICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-NOV-12	Finding:	3.44
Chemical:	1,1-DICHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-NOV-12	Finding:	5.94
Chemical:	TETRACHLOROETHYLENE	Report units:	UG/L
Dlr:	0.5		
Sample date:	14-NOV-12	Finding:	0.7
Chemical:	TOTAL TRIHALOMETHANES	Report units:	UG/L
Dlr:	0.		
Sample date:	26-JUL-12	Finding:	220.
Chemical:	BORON	Report units:	UG/L
Dlr:	100.		
Sample date:	26-JUL-12	Finding:	26.185
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		
Sample date:	26-JUL-12	Finding:	7.5
Chemical:	PH, FIELD	Report units:	Not Reported
Dlr:	0.		
Sample date:	26-JUL-12	Finding:	22.5
Chemical:	SOURCE TEMPERATURE C	Report units:	C
Dlr:	0.		

Sample date:	01-FEB-12	Finding:	26.703
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dlr:	2.		

I61
SW
1/2 - 1 Mile
Lower

CA WELLS 2803

Seq:	2803	Prim sta c:	02S/12W-08C01 S
Frds no:	1910036021	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 37-01	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340100.0	Longitude:	1181000.0
Precision:	8	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

I62
SW
1/2 - 1 Mile
Lower

CA WELLS 2788

Seq:	2788	Prim sta c:	02S/12W-05M01 S
Frds no:	1910036002	County:	19
District:	15	User id:	MET
System no:	1910036	Water type:	G
Source nam:	WELL 06-02 - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340100.0	Longitude:	1181000.0
Precision:	8	Status:	IR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	1910036	System nam:	California Water Service Co. - Ela
Hqname:	CALIFORNIA WTR SERV CO	Address:	1720 N. FIRST STREET
City:	SAN JOSE	State:	CA
Zip:	92108	Zip ext:	Not Reported
Pop serv:	152820	Connection:	25741
Area serve:	EAST LOS ANGELES		

J63
WSW
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000128463

Well ID:	T0603778678-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1

GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778678&assigned_name=MW-1&store_num=
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778678&assigned_name=MW-1

J64
WSW **CA WELLS** **CAEDF0000050336**
1/2 - 1 Mile
Lower

Well ID:	T0603778678-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778678&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778678&assigned_name=MW-2		

J65
WSW **CA WELLS** **CAEDF0000018004**
1/2 - 1 Mile
Lower

Well ID:	T0603778678-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603778678&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603778678&assigned_name=MW-3		

66
ENE **FED USGS** **USGS40000139934**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S012W33P002S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	460
Well Depth Units:	ft	Well Hole Depth:	460
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
67 **NE** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CADWR0000031850**

Well ID:	01S12W33P002S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S12W33P002S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S12W33P002S&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
K68 **West** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR0000000593**

Well ID:	02S12W06K001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S12W06K001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S12W06K001S&store_num=		
GeoTracker Data:	Not Reported		

	Database	EDR ID Number
K69 **West** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CADWR0000017393**

Well ID:	02S12W06K007S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	02S12W06K007S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=02S12W06K007S&store_num=		
GeoTracker Data:	Not Reported		

			Database	EDR ID Number
1G **South** **1/2 - 1 Mile** **Lower**	Site ID:	900570061	**AQUIFLOW**	**55192**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	8.37		
	Deep Water Depth:	12		
	Average Water Depth:	Not Reported		
	Date:	08/07/1996		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
North **OIL_GAS** **CAOG14000005049**
1/2 - 1 Mile

API #:	0403700264	Well #:	1
Well Status:	Plugged	Well Type:	Core Hole
Lease Name:	Bleakwood Coreholea	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

2
WNW **OIL_GAS** **CAOG14000005654**
1/2 - 1 Mile

API #:	0403706039	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Anderson A	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	N
Spud Date:	Not Reported		

3
WSW **OIL_GAS** **CAOG14000005434**
1/2 - 1 Mile

API #:	0403705723	Well #:	1-6
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Nordon-Lipka	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

4
SE **OIL_GAS** **CAOG14000005801**
1/2 - 1 Mile

API #:	0403705993	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Sadler Community	Field Name:	Any Field
Area Name:	Any Area	GIS Source:	hud
Confidential Well:	N	Directionally Drilled:	Y
Spud Date:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

Garfiield High School
5101 East 6th Street
Los Angeles, CA 90022

Inquiry Number: 6793054.3
December 19, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/19/21

Site Name:

Garfiield High School
5101 East 6th Street
Los Angeles, CA 90022
EDR Inquiry # 6793054.3

Client Name:

Millennium Environmental Consulting
4683 Chabot Drive Ste. 380
Pleasanton, CA 94588
Contact: Scott Nunes

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Millennium Environmental Consulting were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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Certified Sanborn Results:

Certification # D0FD-4B86-844F

PO # 12060.2005

Project Garfield High School

Maps Provided:

1966
1948
1928

Sanborn® Library search results

Certification #: D0FD-4B86-844F

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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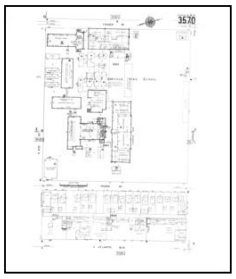
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

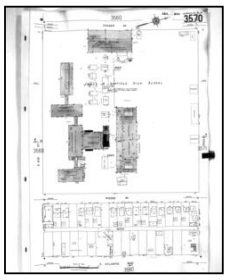
1966 Source Sheets



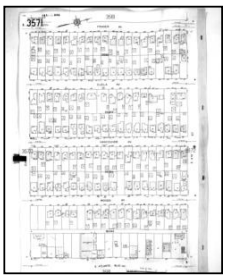
Volume 35, Sheet 3570
1966

Volume 35, Sheet 3571
1966

1948 Source Sheets

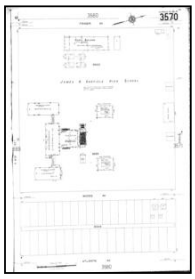


Volume 35, Sheet 3570
1948

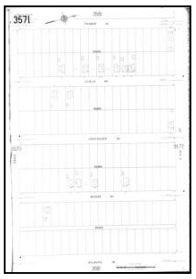


Volume 35, Sheet 3571
1948

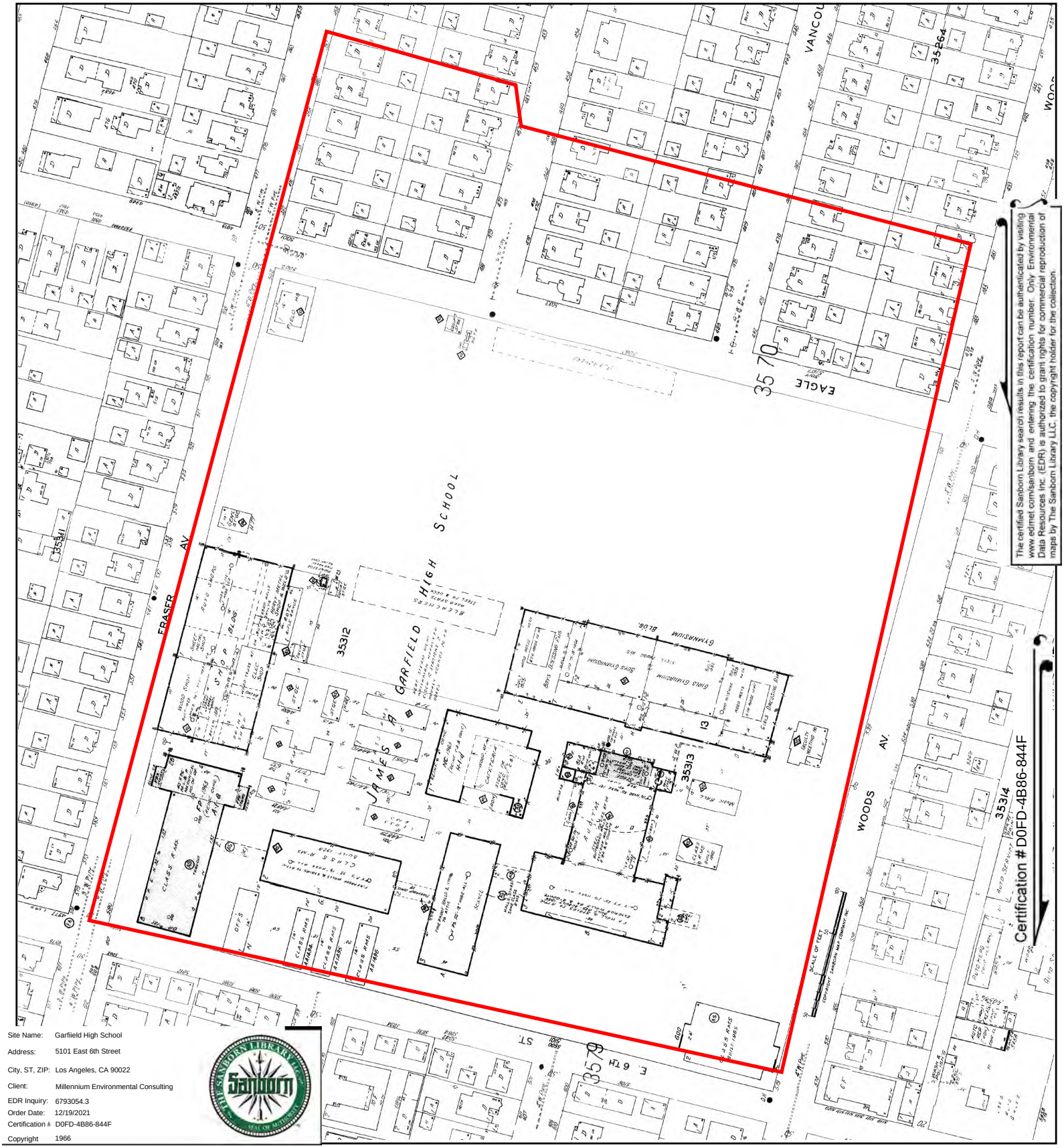
1928 Source Sheets



Volume 35, Sheet 3570
1928



Volume 35, Sheet 3571
1928



Site Name:	Garfiield High School
Address:	5101 East 6th Street
City, ST, ZIP:	Los Angeles, CA 90022
Client:	Millennium Environmental Consulting
EDR Inquiry:	6793054.3
Order Date:	12/19/2021
Certification #:	D0FD-4B86-844F
Copyright	1966

This Certified Sanborn Map combines the following sheets.
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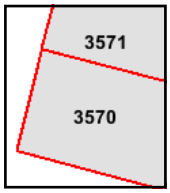

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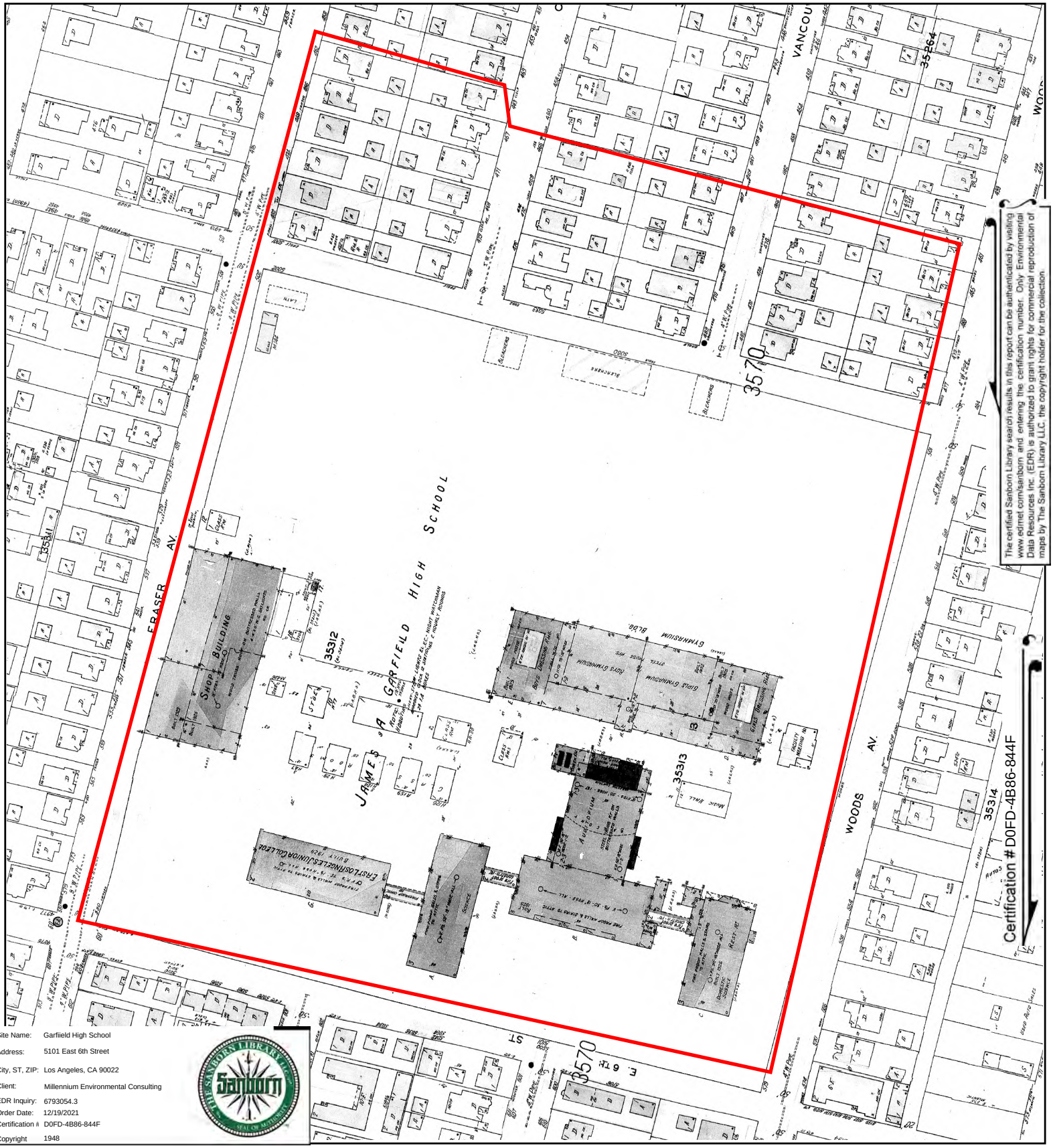

Certification # D0FD-4B86-844F

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Order Date:	12/19/2021
Certification #:	D0FD-4B86-844F
Copyright	1948

This Certified Sanborn Map combines the following sheets.
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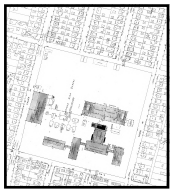

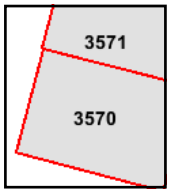

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Volume 35, Sheet 3570

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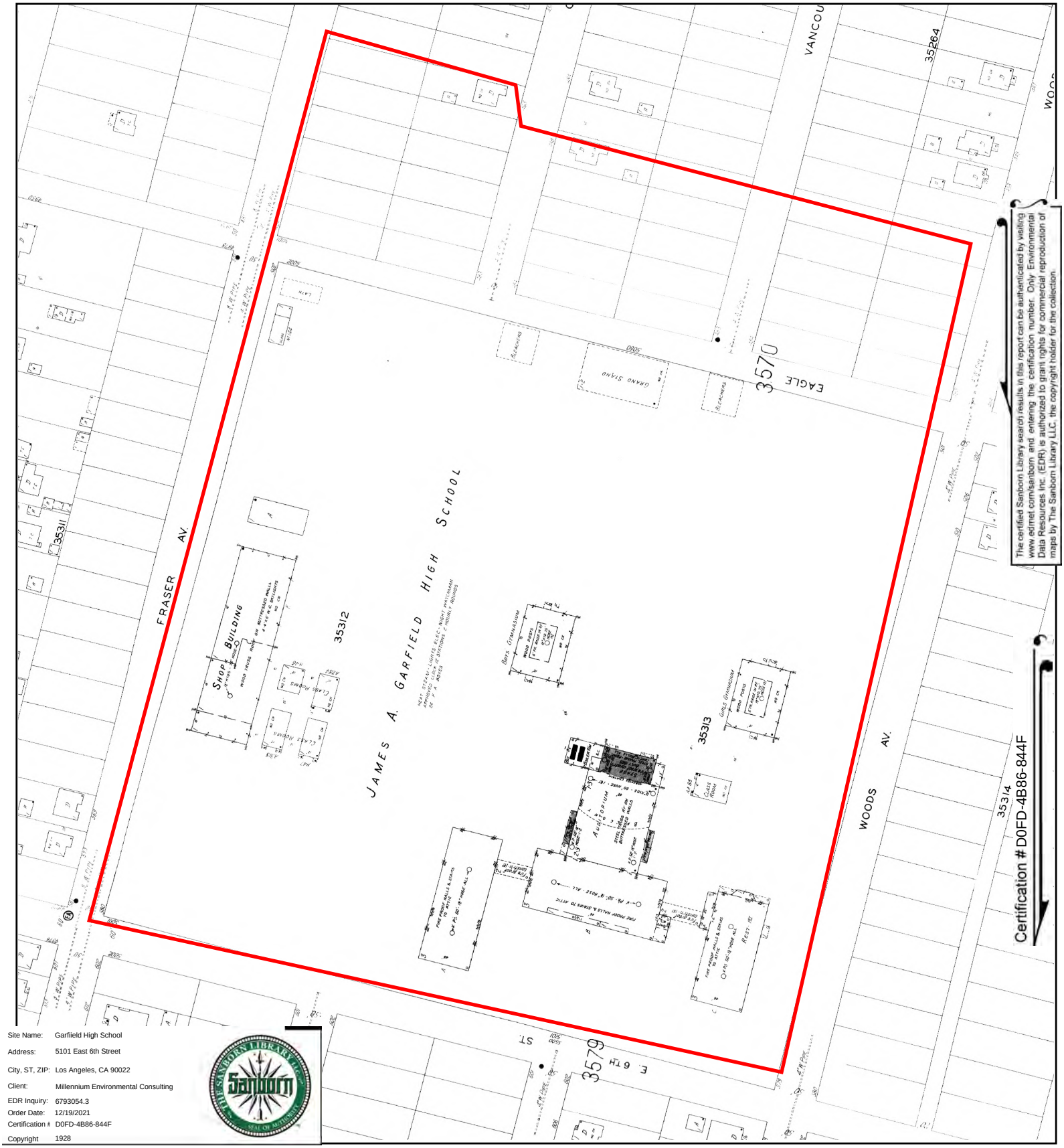

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Copyright	1928

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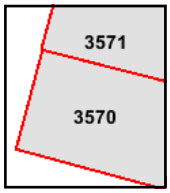

Volume 35, Sheet 3571
Volume 35, Sheet 3570

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N

APPENDIX D

CDE Existing Schools Checklist

Preliminary Environmental Screening of Proposed Project at Existing School Site

Project: Garfield High School 03/22 .

Selection Criteria	Yes	No	Comments
High Voltage Power Transmission Lines [CCR, Title 5, 14010(c)]			
Will the project create or exacerbate any health risks from 50-133 kV power lines within 100 feet of the site?		X	No nearby high voltage power lines identified.
Will the project create or exacerbate any health risks from 220-230 kV power lines within 150 feet of the site?		X	No nearby high voltage power lines identified.
Will the project create or exacerbate any health risks from 500-550 kV power lines within 350 feet of the site?		X	No nearby high voltage power lines identified.
Railroads [CCR, Title 5, 14010(d)]			
Will the project create or exacerbate any safety risks from railroads within 1,500 feet of the site?		X	No railroads within 1,500 of the site
Traffic Noise [CCR, Title 5, 14010(e)]			
Will the project create or exacerbate any noise impacts from adjacent roads or freeways that will adversely affect the educational program?		X	In the opinion of Millennium, this project will not exacerbate any noise impacts
Faults [CCR, Title 5, 14010(f)]			
Will the project create or exacerbate and safety risks from active fault traces which may be onsite?		X	According to the EDR report, no active fault traces are onsite
Flood or Inundation Area [CCR, Title 5, 14010(g)]			
Will the project create or exacerbate safety risks from flooding or dam inundation?		X	In the opinion of Millennium, this project will not exacerbate or create any flooding or dam inundation safety risks
Pipelines and Above Ground Tanks [CCR, Title 5, 14010(h)]			
Will the project create or exacerbate safety risks from nearby above ground water or fuel storage tanks?		X	No nearby above ground water or fuel storage tanks were observed
Will the project create or exacerbate safety risks from high-pressure hazardous material pipelines located within 1,500 feet of the site?		X	No high-pressure hazardous material pipelines should be located within 1,500 feet of an existing school
Liquefaction and Landslides [CCR, Title 5, 14010(i)]			
Will the project create or exacerbate safety risks from liquefaction or landslides?		X	Site is in a liquefaction zone, but not a landslide zone. In the opinion of Millennium the project should not exacerbate these safety risks.
Traffic and Pedestrian Safety [CCR, Title 5, 14010(l)]			
Will the project create or exacerbate traffic/pedestrian safety risks from an adjacent major arterial street?		X	In the opinion of Millennium, the project will not create or exacerbate traffic/pedestrian safety risks from adjacent major arterial streets.

Preliminary Environmental Screening of Proposed Project at Existing School Site

Project: Garfield High School 03/22 .

Selection Criteria	Yes	No	Comments
Compatible Zoning [CCR, Title 5, 14010(m)]			
Will the project create or exacerbate health or safety risks from the zoning surrounding the site?		X	In the opinion of Millennium, the project should not affect health or safety risks regarding the zoning surrounding the site
Light, Wind, Air Pollution [CCR, Title 5, 14010(q)]			
Will the project create or exacerbate impacts from light, wind, or air pollution?		X	In the opinion of Millennium, the project will not create or exacerbate impacts from light, wind, or air pollution.
Easements [CCR, Title 5, 14010(r)]			
Will the project create or exacerbate impacts from easements on or adjacent to the site which may restrict access or building placement?		X	In Millennium's opinion, the project will not create or exacerbate impacts from easements on or adjacent to the site.
Border Zone Property [CCR, Title 5, 14010(t)]			
Will the project create or exacerbate health and safety risks from a significant disposal of hazardous waste within 2,000 ft. of the site?		X	According to the EDR report no significant disposal of hazardous waste occurs within 2,000 feet of the site
Cellular Phone Towers [LAUSD Board Resolution]			
Will the project create or exacerbate health risks from a cellular phone tower on or adjacent to the site?		X	It is Millennium's opinion the project should not create or exacerbate health risks from cell phone towers on or adjacent to the site.
Methane Zone			
Will the project create or exacerbate health and safety risks from a known methane zone or oil field?	X		The site is within a methane zone, so there is potential it could create or exacerbate health and safety risks.
Oil Wells			
Will the project create or exacerbate health and safety risks from an onsite oil well?		X	There are no know oil wells on-site.
Air Pollution [LAUSD Board Resolution]			
Will the project create or exacerbate health risks from a major transportation corridor (freeway, major rail line) within 500 feet?		X	There are no major transportation corridors within 500 feet
Will the project create or exacerbate health risks from a major stationary source of emissions within 500 feet?		X	It is Millennium's opinion the project should not create or exacerbate health risks from major stationary sources of emissions within 500 feet of the site.

Preliminary Environmental Screening of Proposed Project at Existing School Site

Project: Garfield High School 03/22 .

Selection Criteria	Yes	No	Comments
Is the school on the Priority List of Schools Most at Risk from Air Pollution?		X	The school was not found on the priority list of schools most at risk from air pollution.
Will the project create or exacerbate health risks from a high-risk facility previously identified by OEHS?		X	It is Millennium's opinion the project should not create or exacerbate health risks from a high-risk facility previously identified by OEHS.
Airports [CCR, Title 5, 14010(t)]			
Will the project create or exacerbate health and safety risks from an airport within two nautical miles of the site?		X	There is no airport within two nautical miles within the site.

MEMORANDUM

DRAFT

To:	Ms. Christy Wong LAUSD – Office of Environmental Health & Safety	Date:	December 19, 2023
From:	Chin S. Taing, PTP, RSP1 Linscott, Law & Greenspan, Engineers	LLG Ref:	1-23-4564-1
Subject:	**Pedestrian and Safety Study for the Garfield High School Major Modernization Project, City of Los Angeles**		

LINSCOTT LAW & GREENSPAN engineers

Engineers & Planners
Traffic
Transportation
Parking

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Pasadena
Irvine
San Diego

This traffic and pedestrian safety assessment has been prepared by Linscott, Law & Greenspan, Engineers (LLG) to review the traffic and pedestrian circulation associated with the peak construction activities and operations related to the James A. Garfield High School Major Modernization Project (the "proposed Project" or Garfield HS). The proposed Project is located at 5101 East 6th Street in the unincorporated East Los Angeles area of the County of Los Angeles, California. The Los Angeles Unified School District (LAUSD) has identified schools within the District in critical need of building replacement, renovations, and reconfiguration. The Project is part of the LAUSD's School Upgrade Program (SUP) that seeks to improve and modernize aging schools. This memorandum was prepared in accordance with the LAUSD Standard Conditions (SCs) of Approval for District Construction, Upgrade, and Improvement Projects[1] as it relates to pedestrian safety, transportation, and circulation.

This memorandum includes a summary of the following: 1) existing site conditions; 2) proposed Project description; 3) existing overall traffic volumes and general observed circulation patterns; 4) planned construction schedule and estimated peak construction trip generation; 5) pedestrian and emergency vehicle access during construction; and 6) conclusions and recommendations for usage of the loading zones along East 6th Street and Woods Avenue at Project completion. General measures were also recommended for the School as it relates to pick-up/drop-off loading zones and general School policies regarding notification of overall pick-up and drop-off procedures following completion of the proposed Project.

Existing Site Conditions

The existing Garfield HS campus is developed on a 19.3-acre parcel located at 5101 East 6th Street in the unincorporated East Los Angeles area of the County of Los Angeles, California. The campus site is generally bounded by single family residences and Escuela Street to the north, East 6th Street to the south, South Woods Avenue to the east, and Fraser Avenue to the west. The Project site location is shown in ***Figure 1***.

[1] Los Angeles Unified School District Standard Conditions of Approval for District Construction, Upgrade, and Improvement Projects, updated 2018.

The existing Garfield HS is operated by LAUSD and serves approximately 2,400 students in 9th through 12th grade. The year 2023-2024 bell schedule for the School is 8:30 AM to 3:20 PM for regular school days and 8:00 AM to 2:18 PM for Tuesdays. The existing site conditions of the study area, including posted signage and parking restrictions in the area are illustrated in ***Figure 2***.

As shown in *Figure 2*, the main drop-off/pick-up loading zone for Garfield HS is located along the north side of East 6th Street between Fraser Avenue and Woods Avenue. This zone is posted with signage indicating "Passenger Loading Only" for drop-off/pick-up loading activities before and after school (i.e., between 7:30 AM and 9:00 AM and 1:30 PM and 4:00 PM) during school days only (Mondays through Fridays). Time-restricted (i.e., two-hour) parking is permitted between 9:00 AM and 1:30 PM on school days for this portion of East 6th Street. While not posted with signage as a formal loading zone, secondary drop-off/pick-up loading was documented to occur along the west side of Woods Avenue, between Eagle Street and East 6th Street. Signage indicating "No Stopping" between 7:00 AM and 5:00 PM on school days, is posted at the north end of campus along the south side of Escuela Street between Clela Avenue and Woods Avenue.

The majority of the bus loading/unloading activities occur along the campus frontage on the north side of East 6th Street with some bus loading/unloading activities occurring along the west side of Woods Avenue for athletic students loading/unloading.

As shown in ***Figure 3***, vehicular access to the on-site parking areas is provided via eight (8) existing driveways: two driveways along the east side of Fraser Avenue, two driveways along the north side of East 6th Street, and four driveways along the west side of Woods Avenue. All of the on-site parking spaces are currently utilized by the staff/administration for the School as well as visitors.

Existing pedestrian access to the Garfield HS campus is provided via various existing pedestrian gates on each of the frontage roads, including: 1) six pedestrian gates along the north side of East 6th Street at the main gate; 2) four pedestrian gates along the west side of Woods Avenue; 3) three pedestrian gates along the east side of Fraser Avenue; and 4) two pedestrian gates along the south side of Escuela Street.

Existing public sidewalks and pedestrian facilities are also provided along the Garfield HS campus frontages. A public sidewalk approximately ten (10) feet in width (excluding landscaping) is provided along the Garfield HS campus frontage on East 6th Street. North of East 6th Street, public sidewalks approximately six (6) feet in width are provided along both Garfield HS campus frontages on Fraser Avenue and Woods Avenue. A public sidewalk approximately five (5) feet in width (excluding

landscaping) is provided along the Escuela Street frontage. Existing street trees and landscaping are also provided along the Garfield HS campus frontages.

Americans with Disabilities Act (ADA) access ramps, including some with the yellow truncated domes, are provided at the following intersections and locations in the direct vicinity of the Garfield HS campus:

- Fraser Avenue / Eagle Street
- Fraser Avenue / East 6th Street
- Clela Avenue / East 6th Street
- Vancouver Avenue / East 6th Street
- Woods Avenue / Eagle Street
- Woods Avenue / East 6th Street
- Atlantic Boulevard / Eagle Street
- Atlantic Boulevard / East 6th Street

Yellow standard and continental style pedestrian crosswalks are provided at the following intersections adjacent to or in close proximity to the Garfield HS campus:

- Four legs of the intersection of Fraser Avenue / East 6th Street
- Two legs of the intersection of Clela Avenue / East 6th Street
- Two legs of the intersection of Vancouver Avenue / East 6th Street
- Four legs of the intersection of Woods Avenue / East 6th Street
- One leg of the intersection of Woods Avenue / Eagle Street
- One leg of the intersection of Woods Avenue / Escuela Street

In addition, pedestrian crossing signals and push buttons are presently included as part of the traffic signal controls at the Atlantic Boulevard / East 6th Street and Atlantic Boulevard / Eagle Street signalized intersections.

East Los Angeles Community Safe Routes to School Review

As part of the East Los Angeles Community Safe Routes to School Plan, traffic calming measures and bike routes were previously installed to improve access for bicyclists to schools and parks in the area. Bike routes with bulb outs are installed along 6th Street along the project frontage with bulb outs identified at the following locations:

- 6th Street, at Clela Avenue
- 6th Street, at Woods Avenue

Bikes routes with bulb outs and traffic circles are also identified along Hubbard Street (between Woods Avenue to Hays Avenue) south and east of the Garfield HS campus.

Project Description

The James A. Garfield High School Major Modernization Project is intended to revitalize the existing campus to provide 21st century learning environments to support specialized programs that distinguish Garfield HS as a school offering unique learning opportunities. The Project provides for the replacement of permanent and portable buildings along with hardscape, landscape and parking areas.

The Project consists of the demolition of the Parking Garage & Classroom Building 100 (38,265 square feet) and the Library & Classroom Building 200 (31,976 square feet) and the removal of the existing AA-336 (1,763 square feet) and AA-2254 (1,317 square feet) portable bungalow buildings on the Garfield HS campus. These four buildings (two permanent and two portable buildings) totaling 73,321 square feet will be demolished and consolidated through the construction of a new four-story building totaling 63,870 square feet which will consist of approximately 31 general and specialty classrooms and support spaces, library, and administration space. The Project also includes completion of site upgrades including new exterior and interior paint, removal of barriers and other accessibility upgrades, hardscape areas, landscape areas, and replacement staff parking area with electric vehicle charging stations.

No changes to the student enrollment capacity are contemplated with the completion of the proposed Project. The proposed demolition plan is shown in ***Figure 4-A*** and the site plan with the identified development zone is illustrated in ***Figure 4-B***.

Based on the site organization diagram shown in *Figure 4-A,* the proposed Project would not change the existing use of the site, increase the student enrollment capacity of the School, or alter the existing sidewalks surrounding the Project site. The proposed Project is limited to modernizing the campus itself, including repaving ground surfaces to facilitate ADA access and demolishing and replacing other buildings on campus.

The proposed Project would remove existing on-site surface parking spaces within the development zone in order to accommodate the new building and add a replacement surface parking lot for teachers/visitors in the location of the existing Building 100. As part of the site enhancements of the proposed Project and consistent with the Design Criteria, the new vehicular access point for the new

replacement surface parking lot at the southwest portion of campus, is planned to be along the east side of Fraser Avenue. The two existing vehicle access points on the north side of East 6th Street just east of Fraser Avenue with access to the staff parking lot would be eliminated to minimize the usage of East 6th Street. While the two existing vehicular access points along East 6th Street will be consolidated and relocated to Fraser Avenue at Project completion, it is anticipated that the primary passenger loading zone will continue to be provided along the north side of East 6th Street, with secondary passenger loading on the west side of Woods Avenue, similar to current conditions. Any late arrivals or access to campus during school hours would require controlled entry and access via East 6th Street with check-in required.

General Observed Inbound and Outbound Circulation Patterns

Field observations were conducted at the main Garfield HS loading area (i.e., on East 6th Street) during the morning drop-off peak period (i.e., between 7:30 AM and 8:30 AM) and afternoon pick-up peak period (i.e., between 2:30 PM and 3:30 PM) during a typical mid-week school day (Thursday, October 5, 2023). It is noted that field observations were also conducted at the secondary loading area (i.e., Woods Avenue). ***Figure 5*** depicts the existing overall inbound and outbound circulation routes for arriving and departing the loading areas as discussed further below.

During the morning drop-off period, the majority of guardians conducted student drop-off procedures by entering the main on-street loading zone along the north side of East 6th Street, as well as stopping along both sides of Clela Avenue and Vancouver Avenue south of East 6th Street. For Vancouver Avenue, vehicles were observed to park or stop along both sides of Vancouver Avenue, just south of East 6th Street. Eastbound and westbound vehicle queues were also observed during the morning and afternoon pick-up periods along East 6th Street between Fraser Avenue and Atlantic Boulevard. During the afternoon pick-up period, the northbound vehicle queue along Vancouver Avenue extended from East 6th Street to Hubbard Street. The majority of Garfield HS students were observed to cross East 6th Street by utilizing the crosswalk at the Vancouver Avenue / East 6th Street intersection. This temporarily caused vehicles to stop along Vancouver Avenue and East 6th Street to allow pedestrians to cross the street, which contributed to the vehicle queues along East 6th Street and Vancouver Avenue. In addition to passenger loading signage posted along the north side of East 6th Street, school administration was observed to be stationed along the north side of East 6th Street to assist with students crossing the Vancouver Avenue / East 6th Street intersection and the loading zone for the main gated pedestrian access. Vehicles were observed to approach the campus from both eastbound and westbound East 6th Street.

For Woods Avenue, vehicles were observed to park or stop along the east and west sides of Woods Avenue, primarily between Eagle Street to East 6th Street. Similar to loading on East 6th Street, many Garfield HS students were observed to cross Woods Avenue utilizing the crosswalk at the Woods Avenue / Eagle Street intersection to the north or the crosswalk at the Woods Avenue / East 6th Street intersection to the south.

The majority of the pedestrian crossings occurred at existing crosswalks at the south and east legs of the Clela Avenue / East 6th Street and Vancouver Avenue / East 6th Street intersections, and across all four legs of the Woods Avenue / East 6th Street intersection. While no crossing guard was observed at any of the intersections in the vicinity of the Garfield HS campus, students have been informed to only utilize crosswalks and not to cross mid-block without a crosswalk.

School buses were observed to utilize the north side of East 6th Street just west of the main entrance gate as well as the west side of Woods Drive near the driveway to conduct drop-off operations. No vehicles/buses were observed to conduct morning drop-off along Fraser Avenue as this portion.

The vehicle circulation pattern for the afternoon pick-up period is generally similar to the morning drop-off period. As is typical for schools, the processing time for students to be located and ready for arriving parents/guardians generally took longer than the morning drop-off activities. More vehicles were observed to queue on street (i.e., along Vancouver Avenue and East 6th Street) during the afternoon pick-up period. Vehicles were also observed to double park along Vancouver Avenue south of East 6th Street to conduct loading activities during the afternoon pick-up period.

Construction Schedule

Based on information provided in the Initial Study, it has been determined that the duration of the Project construction activities is expected to total 3.5 years (approximately 42 months), beginning in the first quarter of year 2026 and ending by the third quarter of 2029. In order to maintain active school operation during the construction phase, required parking and adequate vehicle circulation is expected to be maintained and less than 50 percent of the campus would be disturbed at any one time. The general construction phases by development zones are as follows:

- Phase 1: Set-up Interim Housing at Existing Tennis Courts
- Phase 2: Demolish Building 200 and Construct New Building
- Phase 3: Demolish Building 100 and Convert to New Surface Parking Lot

Phase 1 includes setting up six replacement classrooms either elsewhere on campus or in bungalows on the existing tennis courts to provide for the existing occupants of Building 200 during construction. Phase 2 would involve the demolition of Building 200 as well as the existing second story pedestrian bridge connection between

Building 200 to Building 300. Once the new building is constructed, the original occupants of Building 200 and Building 100 would be relocated to the new building. For Phase 3, Building 100 would be demolished and a new staff parking lot would be constructed in its place as replacement staff parking.

Based on the initial phasing of the work determined, this analysis assumes that there will be six general construction activities which are not expected to overlap with one another. The actual duration of construction activity may likely be longer; however, by assuming the shortest expected construction duration this study is taking a more conservative approach due to the higher intensity of the construction activities. The construction equipment and number of construction workers on-site is estimated based on projects of comparable size and land uses.

The general construction activities and duration for each phase are as follows:

- Utilities By-Pass and Interim Housing (6 months: 7/2026 – 12/2026)
- Demolition of Existing Structures/Site Preparation (6 months: 1/2027 – 6/2027)
- Building Construction (30 months: 1/2027 – 6/2029)
- Paving (3 months: 7/2029 – 9/2029)
- Architectural Coating (1 month: 9/2029)
- Building 100 Occupants Relocation to New Building and Demolition of Building 100, Paving New Surface Parking Lot (3 months: 7/2029 – 9/2029)

An estimated average of 50 workers would be on-site when students are present and a maximum of 150 workers would be on-site during peak periods (i.e., during summer break). No summer school sessions are currently held or planned to be held during the summer months. It is anticipated that construction worker parking would generally be accommodated on-site in the staging area during all phases of construction. Construction workers would not be permitted to park on local streets and would therefore not affect the current usage of street parking.

To the extent feasible, construction-related activities would be scheduled to occur during daylight hours. Construction-related traffic and deliveries would be scheduled to avoid student pick-up/drop-off hours, and during noise sensitive times as coordinated with the School administration. The County's Noise Ordinance currently limits construction hours on Mondays through Saturdays to no earlier than 6:30 AM and no later than 8:00 PM. No construction is permitted on Sundays and holidays.

It has been determined that the most intensive period of overall construction activity and construction truck traffic generation is expected to occur during the Demolition/Site Preparation phase for an approximate six-month period. Other phases of construction are expected to be less intensive in terms of overall construction truck traffic generation. The most intensive period in terms of the other miscellaneous delivery trucks would occur during the Building Construction phase for an approximate 30-month period. While it is recognized that these two phases are not expected to overlap (i.e., Demolition/Site Preparation and Building Construction), they were assumed to be concurrent in order to provide a conservative analysis and to provide greater flexibility as the actual final phasing of the work has not yet been determined.

Peak Construction Traffic Trip Generation

Traffic generation is expressed in vehicle trip ends, defined as one-way vehicular movements, either entering or exiting the generating land use. Trip generation equations and/or rates provided in the ITE *Trip Generation Manual* publication[2] were not utilized to forecast traffic generation for the construction activities, as the ITE document does not contain trip rates for specifically this type of expected construction-related hauling operation. Therefore, the construction trip generation forecast was derived based on the development of construction worker and truck forecasts given the expected hauling/delivery capacities as well as the application of passenger car equivalency (PCE) factors, as described more fully below.

Haul Trucks

In developing the forecast of peak truck trip generation, several factors were taken into consideration:

- Hours of Hauling Operation
- Capacity of Haul Trucks
- Application of PCE Factors

For regional construction traffic accessing State Route 60 (SR-60) or Interstate 5 (I-5), access would be via the Atlantic Boulevard on/off-ramps northeast and southeast of the site, before turning onto East 6th Street to access the campus. The site has been in operation adjacent to East 6th Street and would expect to continue to maintain operation through construction.

[2] *Trip Generation Manual,* Institute of Transportation Engineers, 11th Edition, 2021.

It is anticipated that construction vehicles related to the export activities will have a capacity of approximately 14 cubic yards per truck. It has also been assumed for analysis purposes that all hauling activities would be limited to no earlier than 9:00 AM and end no later than 5:00 PM. As noted above, in order to account for the effect that trucks have on overall intersection operations, PCE factors were incorporated into the analysis of potential construction-related traffic impacts. Based on a review of the size of haul trucks expected to be utilized, a PCE factor of 2.5 was incorporated into the traffic analysis (i.e., it is assumed that a single 14 cubic yard haul truck has the same overall effect on traffic operations as 2.5 passenger cars). This assumption is conservative and accounts for the heavy vehicle type and slower speeds when fully loaded. The traffic generation forecast assuming the use of 14-cubic yard capacity haul trucks is summarized in ***Table 1***.

The most intensive period of overall construction activity and construction truck traffic generation is expected to occur during the Demolition/Site Preparation phase for an approximate six-month period. The Demolition/Site Preparation phase would include the removal of existing building materials (i.e., 41,345 square feet), vegetation clearing, removal of unwanted materials from the site, and removal of any portable buildings. During the peak, up to 70 trucks per day (i.e., 35 inbound trucks and 35 outbound trucks) are anticipated. Assuming a total of eight hours of hauling activities each day, it is estimated that approximately four truck loads (i.e., resulting in four inbound trucks and four outbound trucks) would occur per hour. When accounting for the application of a passenger car equivalency (PCE) factor of 2.5 to account for the heavier weight and larger size haul trucks, a total of 10 inbound truck PCE trips and 10 outbound truck PCE trips could potentially occur during the weekday AM and PM peak hours.

Equipment and Delivery Trucks

In addition to construction haul trucks, additional trips may be generated by miscellaneous trucks traveling to and from the Project site. These trucks may consist of trucks delivering equipment and/or construction materials to the Project site. In addition, smaller pick-up trucks or four-wheel drive vehicles used by construction supervisors and/or City inspectors are expected to be generated to and from the site. During the peak phase for deliveries (i.e., Building Construction), up to 12 delivery trucks are anticipated for this phase. It is estimated that if these deliveries all occur on a concentrated single day of that phase, up to 24 trucks per day (i.e., 12 inbound trucks and 12 outbound trucks) would be generated to and from the site. To conservatively estimate the equivalent number of passenger vehicles associated with the trucks, a PCE factor of 2.0 was utilized based on standard traffic engineering practice. Therefore, assuming 24 daily trucks per day, it is estimated that the trucks

would generate approximately 48 daily PCE vehicle trips (i.e., 24 inbound PCE trips and 24 outbound PCE trips). It is also estimated that approximately eight (8) PCE vehicle trips (4 inbound PCE trips and 4 outbound PCE trips) could occur during each of the weekday AM and PM peak hours.

Construction Workers/Employees

The most intensive period in terms of the number of construction workers would occur during the summer months with up to a maximum of 150 workers during the peak periods. Based on confirmation from School representatives, summer school classes are not held at this campus and would not overlap with the 150 workers which are anticipated to be on-site during the summer months. During the overlap with concurrent School operations, it is anticipated that an average of 50 workers would be on-site. For purposes of this review, the number of construction workers were reviewed during the concurrent operation of the School when students are present on-site. Construction workers are expected to arrive at the Project site before 7:00 AM. Since the construction workday would commence by 7:00 AM, these trips would occur outside of the weekday commute AM peak hour but could occur during the weekday PM peak hour. Assuming the typical workday ends at 3:30 PM, fifty percent (50%) of the workers are assumed to leave the site between 3:30 PM and 4:00 PM, twenty-five percent (25%) between 4:00 PM and 4:30 PM, and the remaining twenty-five percent (25%) after 4:30 PM (including supervisors). Thus, while these construction worker trips would generally occur outside of the commute PM peak hour of adjacent street traffic, fifty percent (50%) of the work force (i.e., 25 workers) has been assumed to overlap with the weekday commute PM peak hour (i.e., between 5:00 PM and 6:00 PM) in order to provide a conservative forecast of construction worker traffic generation. The construction worker arrival and departure times are expected to occur outside of the peak hour of student pick-up/drop-off operations as well (i.e., before 7:00 AM and after 3:30 PM).

It is anticipated that construction workers would primarily remain on-site throughout the day. The number of construction worker vehicles is estimated using an average vehicle ridership (AVR) factor of 1.135 persons per vehicle (as provided in the South Coast Air Quality Management District in its CEQA Air Quality Handbook). Therefore, it is estimated that approximately 88 vehicle trips (44 inbound trips and 44 outbound trips) on a daily basis would be generated to/from the site by the construction workers during the peak period when a total of 50 construction workers are expected to be on-site. With fifty percent (50%) of the workers conservatively assumed to overlap with the weekday PM peak hour, this would result in 22 outbound construction worker vehicle trips.

Total Construction Traffic Generation

Taken together as summarized in *Table 1*, the construction haul trucks, miscellaneous delivery vehicles, and construction worker vehicles are forecast to generate up to 28 weekday AM peak hour PCE vehicle trips (i.e., 14 inbound PCE trips and 14 outbound PCE trips). During the PM peak hour, the construction traffic generation is expected to total 50 PCE vehicle trips (i.e., 14 inbound PCE trips and 36 outbound PCE trips). Over a 24-hour period, the construction traffic generation is forecast to generate an increase of 312 daily PCE trip ends during a typical weekday (156 inbound PCE trips and 156 outbound PCE trips).

For comparison purposes, traffic generation for the existing Garfield HS campus was estimated based on the trip generation rates published in the ITE *Trip Generation Manual* for Land Use Code 525 (High School) and applied to the existing number of students. When compared to the traffic generated by the operations of the School (i.e., 1,248 AM peak hour vehicle trips, 336 PM peak hour vehicle trips, and 4,656 daily vehicle trips), the short-term construction traffic anticipated during the peak construction activities are anticipated to be much less than the daily operations of the Garfield HS.

Pedestrian Access During Construction Activities

Due to the multiple loading areas on campus, existing sidewalks along Fraser Avenue, East 6th Street and Woods Avenue are expected to be maintained to the extent possible depending upon the construction phasing activities. In addition, the following intersections with crosswalks generally utilized for access to/from campus are expected to be maintained during construction activities:

- Four legs of the intersection of Fraser Avenue / East 6th Street
- Two legs of the intersection of Clela Avenue / East 6th Street
- Two legs of the intersection of Vancouver Avenue / East 6th Street
- Four legs of the intersection of Woods Avenue / East 6th Street
- One leg of the intersection of Woods Avenue / Eagle Street
- One leg of the intersection of Woods Avenue / Escuela Street

As mentioned previously, no existing crossing guards currently assist with student/pedestrian crossing during the morning and afternoon school peak periods at the intersection of East 6th Street / Vancouver Avenue by the School's main entrance. It is recommended that during construction activities, a temporary crossing guard be provided at the intersection to assist with student/pedestrian crossing since the construction trucks/vehicles are expected to arrive/depart from the Project site via

eastbound/westbound East 6th Street. The crossing guard at the Vancouver Avenue / East 6th Street intersection would assist pedestrians crossing East 6th Street in a fashion such that it minimizes conflicts and processing of vehicles utilizing the loading zone.

During periods of heavy construction activities with the demolition of Building 200 and construction of the new building, it is recommended that the south side of Escuela Street between Clela Avenue and Woods Avenue be designated as a temporary loading zone to alleviate the usage of the existing Garfield HS main loading area. As loading activities are currently prohibited along the south side of Escuela Street today (posted "No Stopping" during School days between 7:00 AM to 5:00 PM), this segment of Escuela Street would require new signage in order to serve as a temporary loading zone during Project construction since it is also in close proximity to the interim replacement classrooms that may be set-up on the tennis courts. In providing three separate areas for student loading/unloading activities during construction (i.e., along north side of East 6th Street, west side of Woods Avenue and south side of Escuela Street), some of the loading activities would be expected to shift to Escuela Street and Woods Avenue, thus lessening the vehicle queues currently observed on East 6th Street and Vancouver Avenue. In addition during construction, buses are recommended to utilize Fraser Avenue for loading operations in order to provide greater separation for guardian vehicle loading activities, bus loading, and construction activities.

The following general considerations are recommended to maintain pedestrian access and safety during all phases of construction:

- Notify the general public along with representatives from the School, student and parent community and other entities in the area to alert them of upcoming changes due to construction and advise them of any efforts being taken to accommodate pedestrian needs, especially if any existing routes are closed or detoured. Display in a visible location near the work site, the contact information of School/construction representatives to pedestrians who want to make inquiries or report problems.
- Provide a safe, convenient travel path for pedestrians during all phases of construction and maintain the pedestrian pathways clear of debris and inspect them on a regular basis.
- Minimize construction vehicle and equipment movements across pedestrian pathways to the extent feasible. Avoid leading pedestrians into conflicts with construction vehicles, equipment, operations, and workers.
- Evaluate adequacy for pedestrian safety and remove any hazards.

- Covered walkways should be provided where pedestrians are exposed to potential injury from falling debris.
- In the event where a sidewalk must be closed, a temporary route should be created along the existing alignment. When it is not possible to create a temporary route, pedestrians must be detoured with advance signs in accordance with the *California Manual on Uniform Traffic Control Devices* (CA MUTCD).
- Provide at least the minimum required width and smooth surface for wheelchair access. Provide ADA compliant wheelchair ramps where necessitated by elevation changes.
- Provide continuous access to the transit stop provided along the Project frontage on East 6th Street east of Fraser Avenue and/or relocate transit stop.
- Avoid closing any crosswalks in the Project immediate area especially the crosswalks along East 6th Street and Woods Avenue.

Emergency Access During Construction Activities

The potential transportation impacts during Project construction have been analyzed as summarized above. Having stated this, emergency vehicle access throughout the study area must be maintained during the construction activities. It is important to note that as required by the State of California Vehicle Code (i.e., specifically Section 21806, Authorized Emergency Vehicles), "upon the immediate approach of an authorized emergency vehicle which is sounding a siren and which has at least one lighted lamp exhibiting red light that is visible, under normal atmospheric conditions, from a distance of 1,000 feet in front of a vehicle, the surrounding traffic shall, except as otherwise directed by a traffic officer, do the following:

(a) (1) Except as required under paragraph (2), the driver of every other vehicle shall yield the right-of-way and shall immediately drive to the right-hand edge or curb of the highway, clear of any intersection, and thereupon shall stop and remain stopped until the authorized emergency vehicle has passed.

(2) A person driving a vehicle in an exclusive or preferential use lane shall exit that lane immediately upon determining that the exit can be accomplished with reasonable safety.

(b) The operator of every street car shall immediately stop the street car, clear of any intersection, and remain stopped until the authorized emergency vehicle has passed.

(c) All pedestrians upon the highway shall proceed to the nearest curb or place of safety and remain there until the authorized emergency vehicle has passed."[3]

During the construction of the proposed Project, it is expected that emergency vehicles will continue to utilize the surrounding street system even though some travel lanes along certain portions of some roadways may be temporarily used for construction staging and/or material delivery. If required, drivers of emergency vehicles are also trained to utilize center turn lanes, or travel in opposing through lanes to pass through crowded intersections or streets. Thus, the respect entitled to emergency vehicles and driver training allow emergency vehicles to negotiate typical street conditions in urban areas including areas near any temporary travel lane closure(s).

Construction Management and Haul Route Approval

Approvals required by the City of Los Angeles and the State of California Department of Transportation (Caltrans) for implementation of the proposed Project include a Truck Haul Route program approved by the City and an encroachment permit obtained by Caltrans. With regard to other construction traffic-related issues, construction equipment would be stored within the perimeter fence of the site.

As a general contractor has not yet been selected, the exact extent of the construction work site boundary cannot be determined at this time. The construction contractor will be required to submit a Construction Worksite Traffic Control Plan to the Office of Environmental Health and Safety (OEHS) for review prior to the start of construction activities. Given the number of pedestrians (i.e., guardians and children) walking to/from the campus, it is recommended that certain lanes/sidewalks along Fraser Avenue, East 6th Street, and Woods Avenue remain open during construction. Should the closure of any lanes/sidewalks be determined to be necessary, appropriate pedestrian detours will be required to be established along with the appropriate advance warning signage directing pedestrians to other available sidewalks and crosswalks/crossings. Should any such pedestrian detours or temporary travel lane closures be proposed, traffic control/management plans will be prepared for the required review and approval by the City of Los Angeles Department of Transportation. In addition, a Construction Staging and Traffic Management Plan (CSTMP) will also be required for review and approval by the City outlining all of the above details.

[3] Source: State of California Department of Motor Vehicles website; https://www.dmv.ca.gov/portal/dmv; Amended Sec. 68, Ch. 1154, Stats 1996 Effective September 30, 1996.

With the required haul route approval and other construction management practices, construction activity impacts would be less than significant. Potential construction traffic impacts can be further reduced with the implementation of the following design features as part of the CSTMP:

- Maintain existing access for school campus and on-site parking facilities;
- Limit any potential roadway lane closures to off-peak travel periods;
- Schedule receipt of construction materials to non-peak travel periods, to the extent possible;
- Coordinate deliveries to reduce the potential of trucks waiting to unload for protracted periods of times; and
- Prohibit parking by construction workers on adjacent residential streets and direct all construction workers to designated on-site parking areas.

Conclusions and Recommendations

The following recommendations are based on LLG's review of the current pick-up/drop-off activities associated with usage of the pick-up/drop-off loading zone on East 6th Street as well as usage of drop-off/pick-up activities on Woods Avenue as it relates specifically to overall circulation patterns:

i. In accordance with Standard Condition Measures SC-PED-2 and SC-PED-4, it is recommended that a minimum of one (1) monitor be stationed near each of the loading areas surrounding the Garfield HS campus: 1) near the East 6th Street main loading area; and 2) along the west side of Woods Avenue. The monitors will be present primarily for the oversight of drop-off/pick-up activities at the designated loading zone and not to assist with any pedestrian crossings. In addition to the passenger loading signage, the main East 6th Street loading zone shall be coned off, marking the appropriate area for guardians to drop-off/pick-up students without leaving the vehicle. This has been observed to result in a more continuous traffic flow and efficient vehicle processing, which in turn reduces the potential for any vehicle queuing outside of the designated loading zone area. It is recognized that improving the processing of pick-up operations would also help relieve congestion/queues observed along East 6th Street and Vancouver Avenue. The recommended circulation pattern is intended to facilitate a high processing rate for dropping-off and picking-up students (i.e., unload and load several vehicles at a time). Parents will be encouraged to have their student ready to exit and enter the vehicle quickly and safely.

ii. In order to ensure the monitors are easily visible to motorists entering the loading zones, it is recommended that monitors wear safety gear including reflective vests, hats and/or gloves at all times when performing traffic control operations at/around the campus. Also, it should be reiterated that monitors be on time and present prior to the commencement of loading operations.

iii. Enforcement should be implemented such that vehicles observed to be parked within the East 6th Street and Woods Avenue loading zones during the loading period would be towed/ticketed since any parked vehicle/s during the loading period would essentially block other vehicles from fully utilizing the loading zone and reduces the efficiency of vehicle processing. Guidance on parking restrictions, vehicle enforcement, and school parking signage are provided in the School Traffic Safety Reference Guide REF-4492.1 as part of Standard Condition Measure SC-PED-4.

iv. Based on the field observations, it is recommended that the School prepare a circulation and pedestrian routes plan and encourage that guardians and students follow the circulation pattern and utilize the loading areas for those who choose to conduct drop-off/pick-up activities along the East 6th Street and Woods Avenue frontages. Guardians who choose to park or stop along other streets in the vicinity and have their child(ren) walk to the Main Gate or Visitor Entrance along the north side of East 6th Street should be reminded by the School that the child(ren) must cross within the designated crosswalks at intersections and not cross mid-block. Standard Condition Measure SC-PED-2 identifies the OEHS Traffic and Pedestrian Safety Program which includes measures (i.e., sidewalks, crossing guards, crosswalks, warning signs, etc.) to ensure separation between pedestrians and vehicles along pedestrian routes.

v. School-operated buses which transport students to/from Garfield HS shall load and unload students along the east side of Fraser Avenue during the morning and afternoon loading time periods. Only the school-operated bus for athletic events shall be permitted to load/unload student athletes along the west side of Woods Avenue near the Gymnasium building or utilize the bus loading area along Fraser Avenue.

vi. In accordance with Standard Condition SC-PED-3, it is recommended that substandard sidewalks along the Garfield HS campus frontages along Fraser Avenue, Woods Avenue and Escuela Street be improved to a minimum of eight feet wide to ensure safety between pedestrians using the sidewalks and vehicles using the adjacent roadways.

Recommendations on General Campus Traffic Procedures

It is also recommended that the student drop-off/pick-up operations be included in the School policies for parent/guardian distribution at the beginning of each school year during the student enrollment period. The School's policy would include general traffic procedures for the campus, a summary of the drop-off and pick-up procedures, reminders on School policies for off-campus traffic circulation and parking, as well as provisions for being a good neighbor to local residents living near the School campus. These School policies are communicated to faculty, staff, students and parents/guardians at the beginning of the school year and are reinforced throughout the school year in the School's newsletter that is distributed throughout the School community, as well as to every resident located within a 500-foot radius of the campus.

It is also recommended that a School official (i.e., the School Principal or Principal's designee) along with their respective contact information, including telephone number, continue to be published in the School's newsletter as well as posted on the School's website so that if the community has questions or comments regarding school-related traffic and parking issues, there is one clearly identified contact person. This School official would be referred to as the School's traffic and parking ombudsman and would be responsible for proactively addressing questions, comments and complaints from the School community and local residents. It is expected that the School's traffic and parking ombudsman would be very familiar with all policies and procedures regarding traffic and parking operations at the campus, as well as any construction activities or special events planned to be held at the campus.

Please feel free to call us at 626.796.2322 with any questions and comments.

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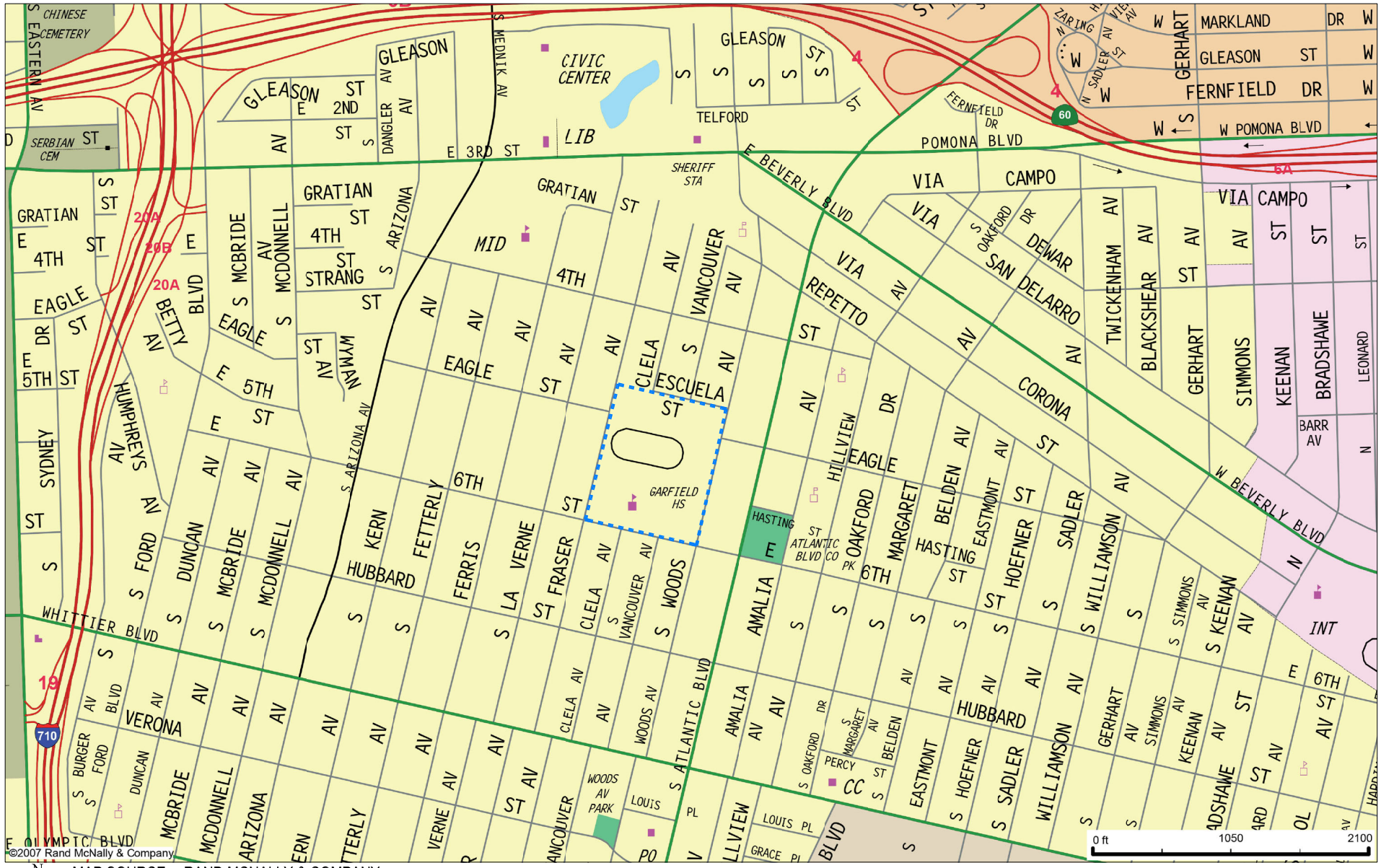

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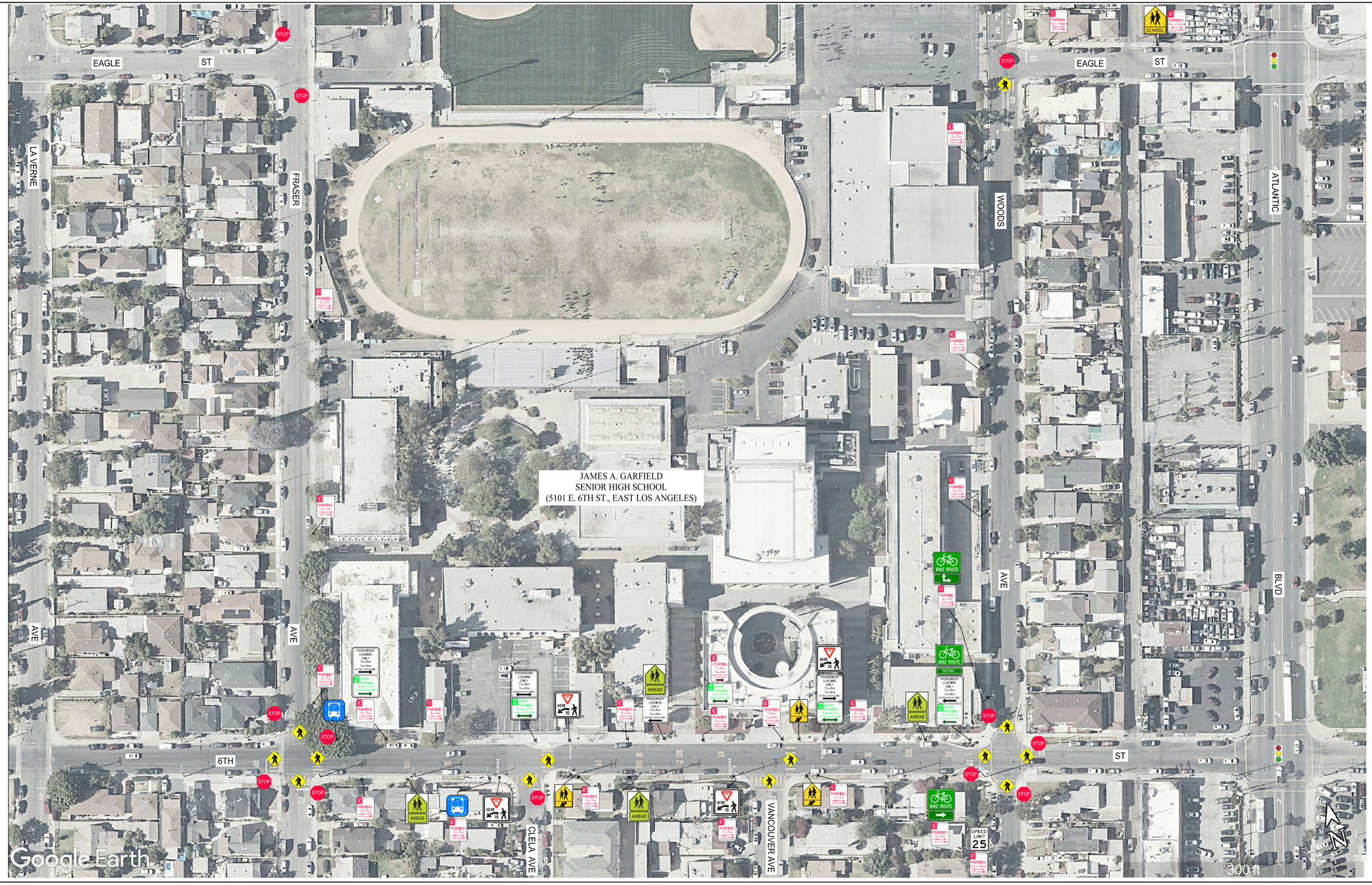
Project Site

Figure 1
Vicinity Map

Garfield High School Major Modernization Project



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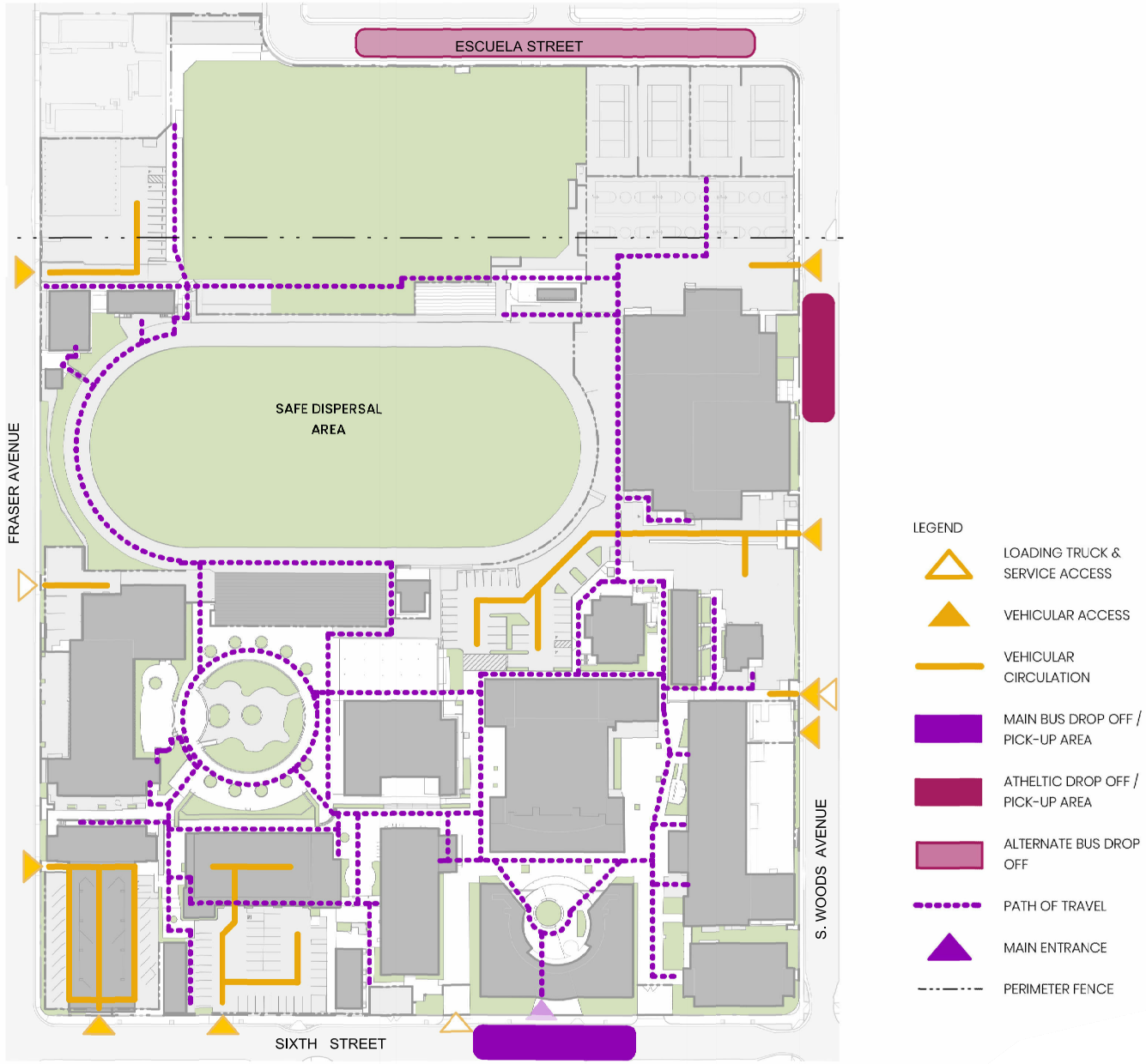
- SIGNAL
- STOP SIGN
- CROSSWALK YELLOW
- PARKING SIGN
- BIKE ROUTE/LANE
- SPEED LIMIT
- PARKING SIGN
- LOADING SIGN
- BUS STOP
- YIELD TO PEDESTRIANS
- SCHOOL ADVANCED WARNING SIGN
- SCHOOL CROSSWALK WARNING SIGN

Figure 2
Existing Conditions

Garfield High School Major Modernization Project



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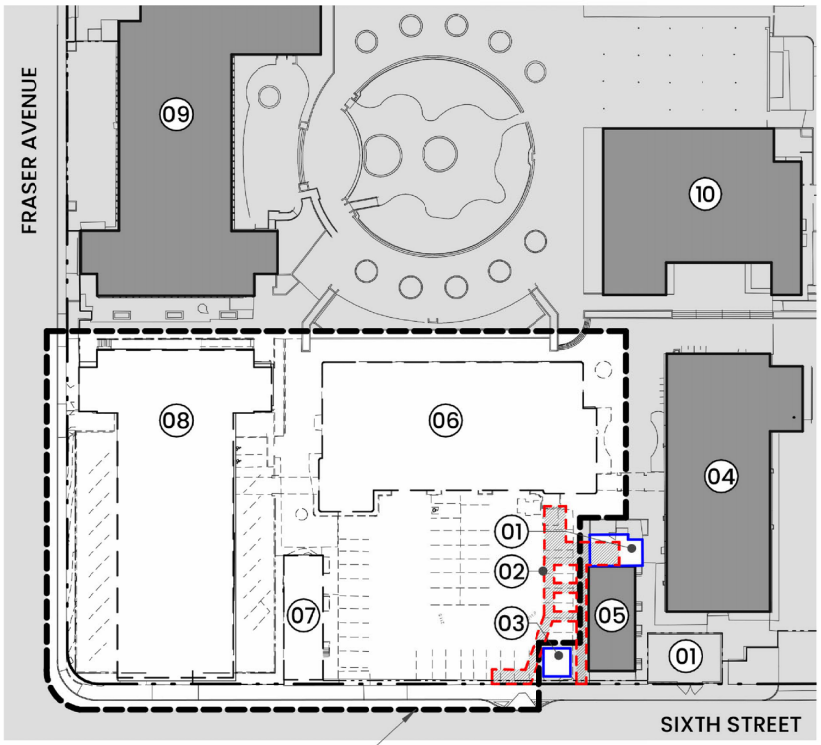
Source: WSP and LAUSD

Figure 3
On-Site Circulation

Garfield High School Major Modernization Project



DEMOLITION NOTES

01	ELECTRICAL SERVICE YARD TO REMAIN
02	EASEMENT
03	ENERGY STORAGE SYSTEM TO REMAIN
04	SCIENCE BUILDING #300 TO REMAIN
05	RELOCATABLE #300 (RSP OFFICES) TO REMAIN
06	LIBRARY AND CLASSROOM BUILDING #200 TO BE DEMOLISHED
07	RELOCATABLE #200 BUNGALOW (DEANS' OFFICES) TO BE DEMOLISHED
08	PARKING AND CLASSROOM BUILDING #100 TO BE DEMOLISHED
09	CLASSROOM AND UTILITY BUILDING #700 TO REMAIN
10	CAFETERIA TO REMAIN

Source: WSP and LAUSD

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Figure 4-A
Demolition Plan

CATEGORY 3 - CORE ACCESS

1.0 PROVIDE PASSENGER LOADING ZONE

2.0 REMEDIATE RAMP TOP AND BOTTOM LANDINGS TO OUTDOOR STAGE AND FROM OUTDOOR STAGE TO CLRM/UTILITY BUILDING #700 TO MEET MINIMUM LANDING REQUIREMENTS

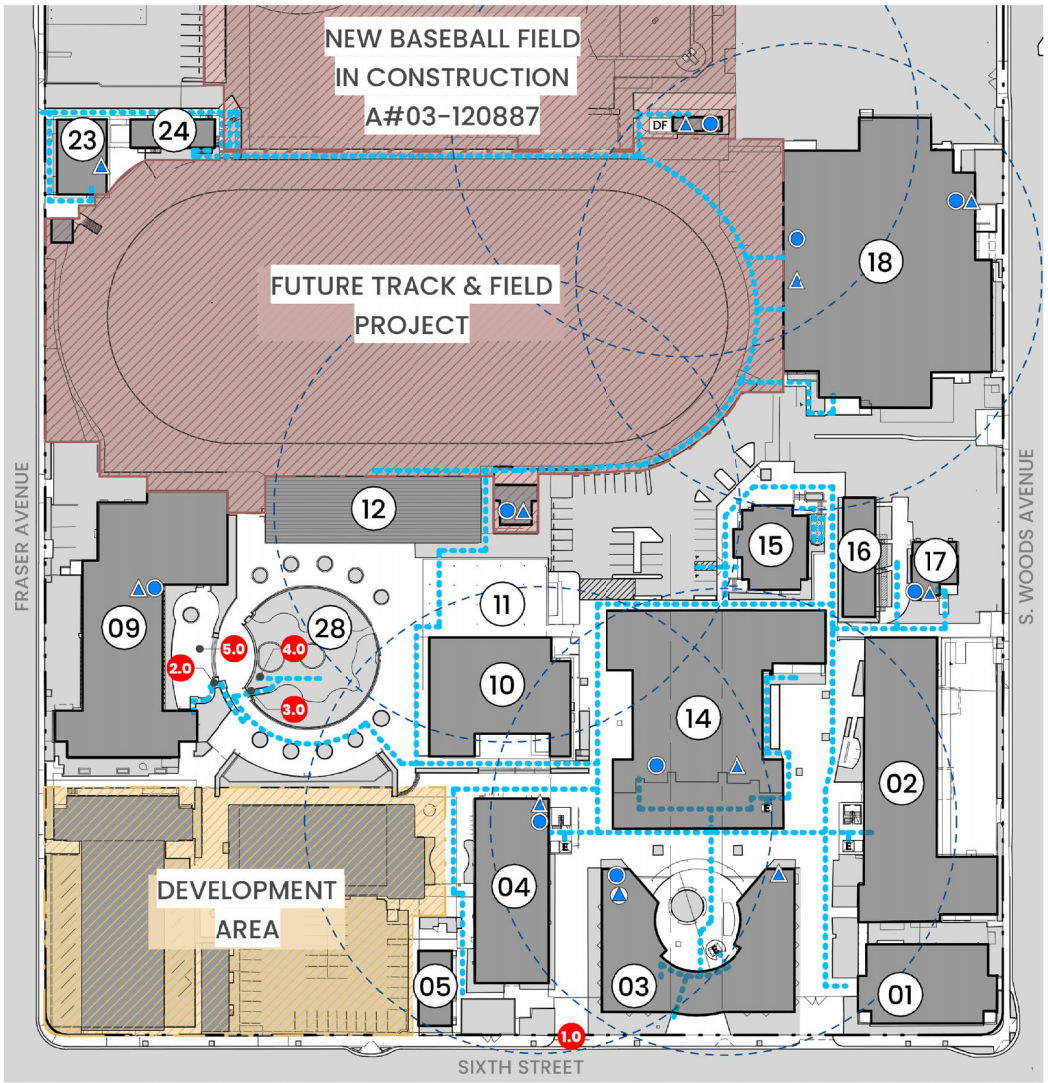
3.0 REMEDIATE RAMP TOP AND BOTTOM LANDINGS TO UPPER SEATING AREA TO MEET MINIMUM RAMP LANDING REQUIREMENTS

4.0 PROVIDE ACCESSIBLE SEATING AT UPPER SEATING AREA

5.0 PROVIDE ALS SIGNAGE FOR OUTDOOR PERFORMANCE AREA

LEGEND

- # BUILDING KEY (SEE BUILDING LEGEND)
- ALL GENDER RESTROOM
- BOYS RESTROOM
- GIRLS RESTROOM
- DF DRINKING FOUNTAIN
- E ELEVATOR
- ACCESSIBLE ROUTE
- 200' RESTROOM RADIUS
- # CATEGORY 3 NOTE
- # CATEGORY 2 NOTE



BUILDING LEGEND

01 CLASSROOM BUILDING #600
02 SHOPS BUILDING #500
03 ADMINISTRATION AND CLASSROOM BUILDING #400
04 SCIENCE BUILDING #300
05 RELOCATABLE #300 (RSP OFFICES)
06 LIBRARY AND CLASSROOM BUILDING #200
07 RELOCATABLE #200 BUNGALOW (DEANS' OFFICES)
08 PARKING AND CLASSROOM BUILDING #100
09 CLASSROOM AND UTILITY BUILDING #700
10 CAFETERIA
11 LUNCH SHELTER
12 HOME BLEACHERS
13 LUNCH SHELTER
14 AUDITORIUM BUILDING #900
15 MUSIC BUILDING
16 RELOCATABLE #800 (SCIENCE BUNGALOW)
17 PARENT CENTER
18 GYMNASIUM (DESIGNATED EMERGENCY SHELTER)
19 RELOCATABLE SANITARY BUILDING
20 VISITORS BLEACHERS
21 TRACK AND FIELD (IN PROGRESS)
22 STORAGE
23 BOYS' LOCKER & SHOWER
24 ROTC
25 BASEBALL FIELD (IN CONSTRUCTION)
26 TENNIS COURTS
27 BASKETBALL COURTS
28 DE ARO MALL
29 BATTING CAGES

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LINSCOTT LAW & GREENSPAN engineers

Source: WSP and LAUSD

Figure 4-B
Site Plan

LINSCOTT LAW & GREENSPAN engineers

INBOUND CIRCULATION

OUTBOUND CIRCULATION

Figure 5
Existing School Inbound/Outbound Vehicle Circulation Patterns

Garfield High School Major Modernization Project

Table 1
TRIP GENERATION USING 14 CUBIC-YARD CAPACITY TRUCKS [1]
PEAK CONSTRUCTION PHASE

LAND USE	DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2] IN	AM PEAK HOUR VOLUMES [2] OUT	AM PEAK HOUR VOLUMES [2] TOTAL	PM PEAK HOUR VOLUMES [2] IN	PM PEAK HOUR VOLUMES [2] OUT	PM PEAK HOUR VOLUMES [2] TOTAL
Construction Trip Generation							
[A] Construction Workers [3]	88	0	0	0	0	22	22
[B] 14-cy Haul Truck Trips (unadjusted) [4]	70	4	4	8	4	4	8
[C] Delivery Truck Trips (unadjusted) [5]	24	2	2	4	2	2	4
[D] PCE Adjusted 14-cy Haul Truck Trips [6]	176	10	10	20	10	10	20
[E] PCE Adjusted Delivery Truck Trips [7]	48	4	4	8	4	4	8
Total Trips in PCEs with 14-CY Trucks ([A]+[D]+[E])	**312**	**14**	**14**	**28**	**14**	**36**	**50**
Existing Garfield High School Campus Trip Generation							
High School [8] 2,400 students	4,656	849	399	1,248	161	175	336
Total Existing Campus Trip Generation	**4,656**	**849**	**399**	**1,248**	**161**	**175**	**336**

[1] Source: Based on the construction info provided by LAUSD for other comparable campuses, the following is assumed:
Haul trips expected to average 35 truck trips per day during the Site Preparation phase of peak export activities.
Hours of Truck Hauling Operations: Mondays to Fridays, 9:00 AM to 5:00 PM (8 hours of hauling per day are assumed)

[2] Trips are one-way traffic movements, entering or leaving.

[3] An average of 50 construction workers are expected to be on-site when students are present during the regular school year. Workers are assumed to arrive at the site prior to 7:00 AM and it is assumed that 50 percent (one-half) of the workers would depart during the PM peak hour of adjacent street traffic.
An average vehicle ridership factor of 1.135 passengers/vehicles was applied to determine the worker vehicle trips.
Daily construction worker trips = 50 workers/ (1.135 passengers/vehicle) = 44 inbound vehicle trips + 44 outbound vehicle trips = 88 total daily vehicle trips

[4] Daily truck trips to/from the receptor site/s were derived based on the following, using 14 cubic yard (cy) capacity per haul truck:
35 total truck loads per day = 35 inbound trips + 35 outbound trips = 70 total daily truck trips.
Peak Hour Truck Trips = 70 trips / 8 hours = 8 one-way truck trips per hour.
Thus, for analysis purposes 4 inbound truck trips + 4 outbound truck trips = 8 total truck trips per hour have been assumed.

[5] Peak delivery trips are expected during the Building Construction phase of construction activities, where 24 one-way delivery truck trips are expected during the peak day.
12 inbound delivery trucks + 12 outbound delivery trucks = 24 total daily delivery truck trips (assumed for peak delivery day)

[6] A passenger car equivalency (PCE) factor of 2.5 was employed for analysis purposes. This accounts for the assumption that a single 14 cubic yard capacity haul truck has the same overall affect on intersection traffic operations as 2.5 passenger cars.
Peak Hour Adjusted Truck Trips (in PCEs) = 10 inbound truck trips + 10 outbound truck trips = 20 total truck trips (in PCEs) have been assumed.

[7] A PCE factor of 2.0 was employed for delivery trucks, and the adjusted daily and peak hour delivery truck trips (in PCEs) are as follows:
Daily Adjusted Delivery Trips (in PCEs) = 24 inbound delivery trips + 24 outbound delivery trips = 48 total daily delivery trips.
Peak Hour Adjusted Delivery Trips (in PCEs) = 4 inbound delivery trips + 4 outbound delivery trips = 8 total delivery trips.

[8] Source: ITE "Trip Generation Manual", 11th Edition, 2021.
ITE Land Use Code 525 (High School) trip generation average rates.
- Daily Trip Rate: 1.94 trips/student; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 0.52 trips/student; 68% inbound/32% outbound
- PM Peak Hour Trip Rate: 0.14 trips/student; 48% inbound/52% outbound

Preliminary Environmental Assessment – Equivalent Report

James A. Garfield High School,
5101 East 6th Street, East Los Angeles, California 90022

Prepared for

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terraphase engineering

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Acronyms and Abbreviations

µg/L	micrograms per liter
95UCL	95 percent upper confidence limit
bgs	below ground surface
COPCs	chemicals of potential concern
DOGGR	California Department of Oil, Gas, and Geothermal Resources
DPT	direct-push technology
DTSC	California Environmental Protection Agency Department of Toxic Substances Control
DTSC-SL	DTSC-modified screening levels
DWR	California Department of Water Resources
Enthalpy	Enthalpy Analytical Laboratory
ESL	Environmental Screening Levels
Garfield HS	James A Garfield High School
HASP	health and safety plan
HERO	Human and Ecological Risk Office
HHRL	Human Health Risk Level
LAUSD	Los Angeles Unified School District
LCS	laboratory control sample
MDL	method detection limit
mg/kg	milligrams per kilogram
MS	matrix spike
MSD	matrix spike duplicate
Notice	Assessment Work Notice
OCP	organochlorine pesticide
PCBs	polychlorinated biphenyls
PAHs	polynuclear aromatic hydrocarbons
PEA-E	Preliminary Environmental Assessment – Equivalent
Phase I ESA	*Phase I Environmental Site Assessment*
QA	quality assurance
QC	quality control
REC	recognized environmental condition
RL	reporting limit
RSL	Regional Screening Level
Rule 1466	"Rule 1466. Control of Particulate Emissions from Soils with Toxic Air Contaminants"
Site	James A. Garfield High School, 5101 East 6th Street, East Los Angeles, California

SCAQMD	South Coast Air Quality Management District
STLC	soluble threshold limit concentration
TCLP	Toxicity Characteristic Leaching Procedure
Terraphase	Terraphase Engineering Inc.
TPH	total petroleum hydrocarbons
TPH-d	total petroleum hydrocarbons as diesel
TPH-g	total petroleum hydrocarbons as gasoline
TPH-mo	total petroleum hydrocarbons as motor oil
TTLC	total threshold limit concentration
USA Digalert	Underground Services Alert
USEPA	United States Environmental Protection Agency
UCL	Upper Confidence Limit
VOC	volatile organic compound
WET	Waste Extraction Test
Work Plan	*Preliminary Environmental Assessment-Equivalent Work Plan*

Signatures

Julianna Cativo, Staff II Geologist — July 5, 2023 — Date

Jonathan Marshak, Senior Project Geologist — July 5, 2023 — Date

All geologic information, conclusions, and recommendations in this document have been prepared under the responsible charge of a California Professional Geologist.

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Executive Summary

At the request of the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS), Terraphase Engineering Inc. (Terraphase) completed a Preliminary Environmental Assessment - Equivalent (PEA-E) study for the James A. Garfield High School (Garfield HS) at 5101 East 6th Street in East Los Angeles, California (Site; Figure 1). The sampling plan for the PEA-E study was based on the findings of a *Phase I Environmental Site Assessment* (Phase I ESA [Millennium Consulting Associates 2023]). Following review of the Phase I ESA, Terraphase prepared a PEA-E work plan (Terraphase 2023) which was modified by input from the LAUSD OEHS.

LAUSD is undertaking a major modernization project at the Site to build a new four-story building and library. The development will involve demolishing two portable classrooms (AA-336 and AA-2554) and Buildings 100 and 200. This PEA-E focuses on the 1.8-acre area where development is planned (development zone) shown on Figure 2.

The Phase I ESA prepared for the Site (Millennium 2023) identified four recognized environmental conditions within the development zone: (1) the application of pest-control chemicals to baseboards of buildings, (2) pad-mounted transformers, (3) a three-stage clarifier, and (4) a formerly operating printing shop. Site reconnaissance performed by Terraphase staff identified additional environmental concerns for the Site including a formerly operating spray-painting booth, a currently operating photograph development laboratory, and a hydraulic lift elevator. Lead was also identified as an environmental concern due to the age of the buildings within the development zone being older than 1978, prior to which lead based paint was still in use. Additionally, since the redevelopment of the Site will result in the disturbance of greater than 50 cubic yards of soil, the concentrations of toxic air contaminants per South Coast Air Quality Management District (SCAQMD) “Rule 1466. Control of Particulate Emissions from Soils with Toxic Air Contaminants” (2021) required assessment. The recognized environmental conditions and environmental concerns are outlined on Figure 2.

The primary objectives of this PEA-E were to assess shallow soil at the Site for chemicals of potential concern (COPCs) identified in the Phase I ESA, including asbestos, arsenic, lead, other Title 22 metals, polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), organochlorine pesticides (OCPs), total petroleum hydrocarbons (TPH), and volatile organic compounds (VOCs) in accordance with California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) guidance for school sites (2006) and the Preliminary Environmental Assessment Guidance Manual (2015).

Site assessment activities presented in this report were performed by Terraphase on April 4 and 5, 2023. This report was prepared in general conformance with various existing guidance documents related to Site assessment published by the DTSC (2015). A total of 81 soil samples and 8 duplicates were collected from 39 soil borings. A total of 37 borings were advanced using a hand auger from depths ranging from 1 to 5 feet below ground surface (bgs) and 2 borings were advanced using a direct-push technology drilling rig to depths ranging from 1 to 15 feet bgs. Soil samples were analyzed for the COPCs as shown on Table 2. The soil boring locations are shown on Figure 3. Soil analytical results are presented in Tables 2 through 8.

Based on the analytical results for shallow soil presented in this PEA-E report, arsenic and lead were present at the Site at concentrations exceeding the screening criteria outlined in section 3.1. Three soil samples contained arsenic concentrations exceeded the Southern California background arsenic concentration of 12 milligrams per kilogram (mg/kg [Chernoff, Bosan, and Oudiz 2008]), and 5 soil samples, including 2 duplicate samples, contained lead concentrations exceeding the DTSC Human and Ecological Risk Office (HERO) Note 3 DTSC-modified screening levels for residential scenarios of 80 mg/kg. Terraphase performed 95 percent upper confidence limit (95UCL) calculations for all lead and arsenic concentrations, resulting in 95UCL concentrations which were below the respective screening criteria. No other COPCs were identified exceeding the screening criteria in the Site soil samples. Based on the analytical results compared with the Site screening criteria, Terraphase does not recommend additional investigations to delineate any COPCs identified at the Site. Based on review of SCAQMD Rule 1466 and the results of this soil investigation, the restrictions of SCAQMD Rule 1466 for toxic air contaminants do not apply to the Site.

1 Introduction

At the request of the Los Angeles Unified School District (LAUSD), Terraphase Engineering Inc. (Terraphase) has completed the Preliminary Environmental Assessment - Equivalent (PEA-E) for the James A. Garfield High School (Garfield HS) at 5101 East 6th Street in East Los Angeles, California (Site; Figure 1).

This PEA-E report summarizes the subsurface field investigation conducted at the Site in April 2023. The subsurface investigation followed the *Preliminary Environmental Assessment-Equivalent Work Plan* (PEA-E Work Plan) proposed by Terraphase on March 29, 2023. The scope of the PEA-E Work Plan was based on the findings of the *Phase I Environmental Site Assessment* (ESA) prepared by Millennium Consulting Associates (Millennium) on January 27, 2022. Maps depicting the Site layout and project area are provided as Figures 2 and 3, respectively.

1.1 Site Description

The approximately 20-acre Site is an active high school comprised of various buildings, recreational fields, and parking lots. The Site is surrounded by residential properties with a few commercial businesses on its east side. The development zone, which is the focus of this PEA-E, comprises approximately 1.8 acres and is in the southwest corner of the Site bounded by Fraser Avenue to the west and East 6th Street to the south. The development zone consists of a parking lot, two portable classrooms (AA-336 and AA-2554), and two buildings (Building 100, consisting of a parking garage and classrooms constructed circa 1963, and Building 200, consisting of a library and classrooms constructed circa 1975) planned for demolition. This area will be redeveloped with a four-story building and a new library. The development zone is shown on Figure 2.

1.2 Background

Based on review of the Phase I ESA (Millennium 2022), the Site has been occupied by Garfield HS since approximately 1928. Aerial photographs show that the Site was undeveloped from as early as 1923. In 1928, the Site was developed with several buildings and recreational fields on the north side. The Site was further developed with buildings added on the southwestern corner between 1928 and 1938, and several residential buildings added on the north portion of the Site by 1948. Between 1972 and 1994, the majority of the Site remained unchanged except for several cycles of residential development and grading which took place in the northwest portion of the Site. In 2012, a baseball field was added to the northwest corner of the Site.

The Phase I ESA cited historical plans provided by LAUSD's Office of Environmental Health and Safety, which indicated that autobody, wood working, print, heavy metal shops, and a gun range formerly operated at the Site (Millennium 2022).

1.3 Regional Geology and Hydrology

The Site is within the Los Angeles Basin in a low-lying area filled with unconsolidated alluvial deposits from the early Holocene and late Pleistocene consisting of moderately drained silty clay (Millennium 2022). The Site is not located within an earthquake fault zone and the closest active fault is the East Montebello Fault 3.5 miles east of the Site (Millennium 2022).

The Site is within the California Coastal Basin Aquifer. Site soils are expected to have moderate infiltration rates, with expected groundwater flow towards the south along the general topographic gradient (Millennium 2022). Depth to groundwater was measured at 212 feet below ground surface (bgs) in state well number 2847B, located adjacent to the east side of the Site, on December 31, 2021.[1]

1.4 Purpose of PEA-E

The purpose of this PEA-E is to evaluate potential environmental impacts associated with the recognized environmental conditions (RECs) that were identified in the Phase I ESA (Millennium 2022). The chemicals of potential concern (COPCs) to shallow soil include arsenic, lead, organochlorine pesticide (OCPs) within the drip lines of current and former buildings at the Site, polychlorinated biphenyls (PCBs) in the vicinity of electrical transformers, total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) in the vicinity of a clarifier, and a former print shop and photograph development laboratory. Additionally, concentrations of toxic air contaminants per South Coast Air Quality Management District (SCAQMD) "Rule 1466 Control of Particulate Emissions from Soils with Toxic Air Contaminants" (Rule 1466; amended June 4, 2021)[2] were evaluated in the soil samples collected.

1.5 Discussion of Phase I ESA Items

The 2022 Phase I ESA established the usage and development history of the Site and identified RECs associated with past or current Site uses. Terraphase reviewed the Phase I ESA and conducted a Site visit on March 2, 2023, where several additional environmental concerns for the Site were identified. The RECs and additional environmental concerns are further described in this section.

1.5.1 Summary of Findings

The following summarizes the RECs outlined in the Phase I ESA near or within the bounds of the development zone outlined in Figure 2:

- Pad-mounted transformers and electrical equipment operated by Southern California Edison are located south of Building 200.
- A three-stage clarifier located west of Building 300.

[1] https://dpw.lacounty.gov/general/wells/#

[2] https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1466.pdf?sfvrsn=25

- A printing shop in the south portion of the former Building 700, which is located north of Building 100 and adjacent to the development zone.
- The potential for OCPs and arsenic contamination of soil from the drip lines of buildings resulting from the application of chemicals on building baseboards for pest control.

Although not identified as RECs in the Phase I ESA, Terraphase identified the following additional environmental concerns at the Site:

- A spray-painting booth in the south portion of the former Building 700 located north of Building 100 and adjacent to the north development zone. A utility corridor was found to run east-west between Buildings 100 and 700, which potentially served as a conduit for COPCs.
- Current and former buildings within the development zone were constructed between 1963 and 1974 when the use of lead-based paint and asbestos-containing building materials was common. The potential exists for lead and asbestos to be present along the drip lines of current and former buildings.
- An additional Southern California Edison electrical station and associated transformers present south of Building 300.
- A photograph development laboratory located on the first floor on the north end of Building 100.
- A hydraulic lift elevator located along the east end of Building 200.
- Since the redevelopment of the Site will likely result in the disturbance of greater than 50 cubic yards of soil, the concentrations of applicable toxic air contaminants identified in SCAQMD Rule 1466 need to be determined.

1.5.2 PEA-E Sampling Plan

Table 1 of the PEA-E Work Plan provided a sampling and analysis plan to address the RECs and additional environmental concerns for the Site and identify COPCs (Terraphase 2023). The sampling and analysis plan included proposed sampling locations (shown on Figure 3), depths, and applicable laboratory analyses. The following sampling activities were proposed to address each REC or environmental concern:

- Collect soil samples within the drip lines of the current and former buildings to assess for the presence of OCPs, arsenic, lead, and asbestos in soil.
- Collect soil samples adjacent to the sewer line in boring SB-40. The sewer line runs between Buildings 200 and 300 and feeds into the clarifier. Soil samples from this boring assess potential VOC impacts migrating along the conduit corridor and potential arsenic lead impacts along the drip lines of Building 300.
- Collect soil samples adjacent to electrical transformers to assess for the PCBs in the soil.
- Collect soil samples inside and outside the photograph development laboratory on the north end of Building 100 to assess for the presence of VOCs, metals, and TPH in soil.
- Collect soil samples in between Buildings 100 and 700 to assess the presence of VOCs associated with the former print shop in Building 700.

- Collect soil samples adjacent to a three-stage clarifier adjacent to the west of Building 300 to assess for the presence of VOCs, arsenic, and TPH in borings SB-23 and SB-24. Additionally, assess potential arsenic from pesticide use and lead from lead-based paint along drip lines of Building 300.
- Collect soil samples adjacent to an elevator in the eastern portion of Building 200 to assess for the presence of TPH.
- Analyze shallow soil from an even distribution of borings throughout the development zone to assess the concentrations of SCAQMD Rule 1466 toxic air contaminants asbestos, cadmium, lead, mercury, nickel, OCPs, polycyclic aromatic hydrocarbons (PAHs), and PCBs in soil.

2 PEA-E Activities

Sampling activities and analytical results of the PEA-E investigation are presented below.

2.1 Pre-Sampling Activities

A site-specific health and safety plan (HASP) was prepared in accordance with 29 CFR § 1910.120 and 8 CCR § 5192(e).[3] Terraphase staff and subcontractors reviewed the HASP prior to initiation of field activities. Health and safety tailgate meetings were conducted in the field at the start of the field investigation and at the beginning of each day of field work. Field work was monitored according to the HASP to ensure that appropriate health and safety procedures were followed. A hard copy of the HASP was kept on Site during scheduled field activities.

Terraphase prepared a public notice, dated March 17, 2023 (Notice), to inform neighbors and community members of Garfield HS about the proposed PEA-E study to be conducted at the Site. The Notice described the proposed scope of work, schedule, and purpose. On March 17, 2023, Notices were distributed to faculty and staff, residences along East 6th Street to the south of the Site, and several were laminated and affixed to the fence surrounding the work area. The Notice was written as a two-sided document, with one side in English and the other in Spanish. The Notice is included in Appendix A.

Terraphase applied for an exploration boring permit from the Los Angeles County Department of Environmental Health on March 17, 2023. Boring permits are required for borings which extend beyond depths of 10 feet; therefore, the boring permit applied to borings SB-23 and SB-24 which extended to 15 feet bgs. Boring permit SR0332281 was issued on March 23, 2023. The Los Angeles County Department of Environmental Health was notified at least 48 hours prior to the start of work per the conditions of the permit.

[3] Hazardous waste operations and emergency response, 40 CFR § 1910.120, https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.120; and
Hazardous Waste Operations and Emergency Response, 8 CCR § 5192, https://govt.westlaw.com/calregs/Title8/Div1/Ch4/SCh7/Grp16/Articl109/§5192.

2.2 Shallow Soil Sampling and Analysis

The following sections describe the procedures for shallow soil sampling conducted at the Site to investigate environmental concerns outlined in the PEA-E Work Plan (Terraphase 2023). The samples were collected using the procedures identified PEA-E Work Plan. The sampling locations are shown on Figure 3, and a sample summary is included in Table 1. A photographic log depicting the field procedures is included in Appendix B. Boring logs from the investigation are included as Appendix C. During the PEA-E investigation, soil samples were submitted to Enthalpy Analytical Laboratory (Enthalpy) in Orange, California. Select soil samples were analyzed for arsenic, asbestos, lead, California Title 22 metals, OCPs, VOCs, TPH, PAHs, and PCBs.

2.2.1 Utility Clearance

Underground Services Alert (USA Digalert) was notified more than 48 hours before drilling activities commenced and the USA Digalert ticket (A230820710-00A) was kept active for the duration of the subsurface portion of the field investigation. Terraphase subcontracted a private utility locating service, GPRS, to identify any potential subsurface structures or utilities surrounding each of the proposed soil boring locations. Utility locating was performed with a combination of radio frequency detection, ground penetrating radar, and electro-magnetic induction methods. GPRS provided private utility locating services on April 4, 2023, under the direct supervision of Terraphase field staff.

During the coring of boring SB-05, a live electric line conduit located within the concrete was identified and the boring was not advanced. GPRS returned to the Site on April 5, 2023, to resurvey SB-05 using a concrete scanner. An alternative boring location was not attempted in the vicinity of SB-05.

2.2.2 Drilling, Decontamination and Backfill Procedures

Shallow soil sampling activities were conducted at the Site on April 4 and 5, 2023. A total of 39 soil borings (labeled SB-01 through SB-04 and SB-06 through SB-40) were advanced during the investigation, as shown on Figure 3.

Thirty-five borings were advanced in asphalt or concrete and were initially cored with a concrete coring machine. The remaining four borings were advanced in landscaped areas that did not require coring. A total of 37 out of the 39 borings were advanced using a 3.25-inch-diameter hand auger to depths of 3 or 5 feet bgs. The top 5 feet of the other two borings (SB-23 and SB-24) was cleared with a hand auger before the remainder of the borings were advanced with a direct-push technology (DPT) drilling rig to the total depth.

To prevent cross-contamination between sample locations, hand augers were decontaminated with water and Liquinox detergent or a three-stage rinse consisting of potable water with phosphate free detergent, a potable water rinse, and a distilled or deionized water rinse.

Following shallow soil sampling, all borings except SB-23 and SB-24 were backfilled with native soil that was compacted with a hand tamper. In the paved locations, the remainder of the boring was backfilled with concrete to match the existing grade. Borings SB-23 and SB-24 were backfilled with a Portland

cement grout mixture using a tremie pipe to comply with the Los Angeles County Department of Environmental Health boring permit requirements and patched to match the ground surface.

2.2.3 Soil Sampling Procedures

Soils were screened using a photoionization detector and the soil lithology was described in general accordance with United Soil Classification System nomenclature and recorded onto soil boring logs.

When a hand auger was used, samples were collected directly from the hand auger bucket and placed into laboratory-supplied, pre-cleaned glass jars and labeled. When a DPT sampling rig was used, acetate sample tubes were advanced beneath the subsurface inside a stainless-steel sample probe using hydraulic rams and/or percussion hammers. Soil samples were collected from the acetate liner at the desired interval and placed into laboratory-supplied, pre-cleaned, 4- or 8-ounce glass jars. Samples analyzed for VOCs and TPH-g were collected using USEPA preservation Method 5035 using a TerraCore™ sampling device which required collecting 5-gram aliquots of soil using a disposable, laboratory-supplied plunger and deposited directly into supplied vials.

After labeling, the soil samples were logged onto chain-of-custody forms, sealed in plastic bags, and placed in an ice-chilled cooler for transportation to Enthalpy under proper chain-of-custody protocols.

2.2.4 Soil Sample Analysis

A total of 118 soil samples were initially proposed to be collected during the investigation. Samples in the hand augured borings were collected at depths of 1, 3, and 5-feet bgs. Samples in the borings advanced with the DPT drilling rig were collected at depths of 1, 5, 10, and 15-feet bgs. The 5-foot samples from hand augured borings and 15-foot samples in DPT borings were placed on hold with the laboratory, pending the results of the initial samples.

A total of 81 primary and 8 duplicate samples were analyzed using the methods listed below and shown in sampling and analysis plan in Table 1:

- Borings SB-02 to SB-04, SB-06 to SB-23, and SB-25 to SB-40: 72 soil samples and 8 duplicate samples were analyzed for arsenic and lead using United States Environmental Protection Agency (USEPA) Method 6020.
- Borings SB-02, SB-03, SB-04, SB-06, SB-11, SB-12, SB-15, SB-19, SB-22, SB-22, SB-30, SB-32, and SB-37: 13 soil samples were analyzed for metals and mercury using USEPA Methods 6010B and 7471A, respectively.
- SB-02 to SB-04, SB-06 to SB-22, and SB-25 to SB-39: 70 soil samples and 8 duplicate samples were analyzed for OCPs using USEPA Method 8081.
- Borings SB-02, SB-06, SB-11, SB-12, SB-15, SB-19, SB-22, SB-26, SB-30, SB-32, and SB-37: 11 soil samples were analyzed for asbestos using polarized light microscopy in accordance with USEPA's

"Interim Method for the Determination of Asbestos in Bulk Insulation Samples" as found in 40 CFR 763, Subpart E, Appendix E (EPA/600/R-93/116) and PAHs by USEPA Method 8270.[4]

- Borings SB-02, SB-06, SB-11, SB-06, SB-11, SB-12, SB-15, SB-19, SB-21, SB-22, SB-26, SB-30, SB-32, SB-35, SB-36, SB-37, SB-38, and SB-39: 16 soil samples and 1 duplicate sample were analyzed for PCBs using USEPA Method 8082.
- Borings SB-03, SB-03, SB-04, SB-18, SB-23, and SB-24: 15 soil samples were analyzed for TPH as gasoline (TPH-g), and 10 of those samples were also analyzed for TPH as diesel (TPH-d) and motor oil (TPH-mo), using USEPA Method 8015.
- Borings SB-01, SB-02, SB-03, SB-04, SB-23, SB-24, and SB-40: 15 soil samples were analyzed for VOCs using USEPA Method 8260B.

2.3 Field Quality Assurance/Quality Control Samples

Field quality assurance (QA)/quality control (QC) samples were collected during the investigation and included duplicate samples, equipment blanks, and trip blanks. Eight duplicate samples were collected and analyzed at an approximate rate of 10 percent of the primary samples analyzed. A total of two equipment blank samples were collected for the investigation, one at the completion of each field day, by pouring distilled water over the decontaminated hand auger bucket and collecting the poured water in laboratory-supplied sample containers. The equipment blank samples were analyzed for the COPCs that were sampled for that day. Trip blanks were provided by the laboratory and were placed in cooler with samples analyzed for VOCs. The laboratory data packages included standard QC for method blanks, matrix spike (MS)/MS duplicates (MSD), surrogate recoveries, and laboratory control samples (LCS)/duplicates, as specified by the individual methods. The laboratory also assigned laboratory data qualifiers, as appropriate, in accordance with the individual methods.

2.4 Investigation-Derived Waste

Soil generated from the hand auger borings was reused on Site as borehole backfill. A small amount of water used to decontaminate the sampling equipment and soil generated from the DPT borings SB-23 and SB-24 is stored within a 55-gallon drum on the Site. One drum waste sample was collected on April 5, 2023, and analyzed for the following:

- Title 22 metals and mercury using USEPA Methods 6010B and 7471A, respectively.
- TPH-g, TPH-d, and TPH-mo using USEPA Method 8015.
- VOCs using USEPA Method 8260B.

The soil waste sample results indicated the investigation-derived waste is classified as non-hazardous. The soil drum is stored at the Site and is pending profiling and lawful off-site disposal.

[4] Asbestos, https://www.epa.gov/sites/default/files/documents/2003pt763_0.pdf

2.5 Deviations from PEA-E Workplan

The PEA-E investigation was conducted in accordance with the LAUSD-approved PEA-E Workplan (Terraphase 2023) with the following variances:

- The locations of borings were moved slightly from their originally proposed location to avoid subsurface utilities.
- Soil boring SB-05, located within the photograph development lab in the first floor of building 100 was eliminated from the investigation due to safety concerns associated with a live electrical line encountered during coring.
- TPH-d and TPH-mo were not analyzed in soil samples from soil boring SB-24 because adequate sample volume was not collected.

3 Soil Analytical Results and Comparison to Human Health Screening Levels

This section summarizes the results for the soil sampling conducted at the Site in April 2023. Soil analytical results are presented in Tables 2 through 8. Laboratory analytical reports and sample chain-of-custody documents are presented in Appendix D.

3.1 Soil Screening Levels

Soil analytical results are compared to the following screening criteria:

- **Arsenic.** The Southern California background arsenic concentration of 12 milligrams per kilogram (mg/kg) was used (Chernoff, Bosan, and Oudiz 2008).
- **OCPs, PAHs PCBs, VOCs, and Title 22 metals excluding arsenic.** Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Note 3 DTSC-modified screening levels in residential scenarios (DTSC-SLs; DTSC, 2022). If the compound is not listed, USEPA Region 9 Regional Screening Level (RSL) for residential soil for each individual compound detected (USEPA 2019).
- **Asbestos.** The California Occupational Safety and Health Administration (Cal OSHA)[5] asbestos-containing construction material threshold of 0.1% asbestos by weight.
- **TPH**. The San Francisco Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Level (ESLs) Direct Exposure Human Health Risk Level (HHRL) for residential soil (SFRWQCB 2019).

[5] https://www.dir.ca.gov/dosh/acru/acruregistration.htm

3.2 Asbestos

Asbestos was not detected above laboratory reporting limits (RLs) in any of the samples analyzed. Soil sample analytical data for VOCs are summarized in Table 2.

3.3 Metals

The following subsections summarize soil metals results. Soil sample analytical data for metals are summarized in Table 3.

3.3.1 Arsenic

Arsenic was detected above the RLs in all 72 primary and 8 duplicate samples analyzed, at concentrations ranging between 1.8 and 79 milligrams per kilogram (mg/kg; SB-04-1.0 and SB-13-1.0, respectively). Three samples exceeded the Southern California background arsenic concentration of 12 mg/kg, with concentrations of 13 mg/kg (SB-25-1.0 and SB-36-1.0) and 79 mg/kg (SB-13-1.0). Arsenic above the screening criteria was only detected in samples collected from 1.0 feet bgs and no soil samples from depths of 3 feet bgs or deeper contained concentrations of arsenic above the screening criteria of 12 mg/kg.

3.3.2 Lead

Lead was detected above the RLs in all 74 primary and 8 duplicate samples analyzed at concentrations ranging between 3 and 200 mg/kg (SB-36-3.0 and SB-22-1.0, respectively). Five samples, including two duplicate samples (DUP-04, SB-22-1.0, SB-34-3.0, DUP-08, and SB-36-1.0) exceeded the DTSC-SL of 80 mg/kg at concentrations ranging from 92 to 200 mg/kg. Soil samples SB-14-5.0 and SB-34-5.0 were taken off hold due to exceedances in 3-foot samples DUP-04 and SB-34-3.0, respectively, and were analyzed for lead USEPA Method 6020. Lead was detected in the samples at concentrations of 8.2 and 53 mg/kg, respectively, below the DTSC-SL. No other samples from depths of 3 feet bgs or deeper had concentrations of lead above the DTSC-SL of 80 mg/kg.

3.3.3 All Other Metals

A total of 13 soil samples were analyzed for Title 22 metals using USEPA method 6010B. These metals included antimony, barium, beryllium, cadmium, chromium, cobalt, copper, mercury, molybdenum, nickel, selenium, silver, vanadium, and zinc, and excluded arsenic and lead which were obtained from USEPA method 6020. These metals were not detected in any of the samples at concentrations which exceeded the relevant screening criteria.

3.4 OCPs

A total of 78 samples, including 8 duplicate samples, were analyzed for OCPs. Dieldrin, 4,4-DDD, 4,4-DDE, 4,4-DDT, and chlordane were detected above RLs in several of the samples analyzed for OCPs.

None of these detections were above relevant screening criteria for any of the OCPs. Soil sample analytical data for OCPs are summarized in Table 4.

3.5 PAHs

A total of 11 samples were analyzed for PAHs. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, and fluoranthene were detected above RLs in 4 samples analyzed for PAHs. None of these detections were above relevant screening criteria for PAHs. Soil sample analytical data for PAHs are summarized in Table 5.

3.6 PCBs

PCBs Aroclors 1254 and 1260 were detected above RLs in 2 of the 17 samples. The detections were below the relevant screening criteria. Soil sample analytical data for PCBs are summarized in Table 6.

3.7 TPH

TPH-g was not detected above RLs in any of the 13 samples analyzed. TPH-d was detected in 5 samples and TPH-mo was detected in 6 samples above the RLs. None of the TPH concentrations exceeded the relevant screening criteria for TPH. Soil sample analytical data for TPH is summarized in Table 7.

3.8 VOCs

Acetone, benzene, and p-isopropyltoluene were detected in several of the 15 samples analyzed for VOCs. None of the detections were above the relevant screening criteria for VOCs. Soil sample analytical data for VOCs are summarized in Table 8.

3.9 Leaching Analyses

Select soil samples with arsenic or lead concentrations above screening levels were extracted and the leachate was analyzed.

3.9.1 Arsenic

Sample SB-13-1.0 was extracted using the USEPA Soluble Threshold Limit Concentration (STLC) Waste Extraction Test (WET) procedure and the leachate was analyzed for arsenic using USEPA Method 6020. The resulting STLC arsenic results were detected above RLs at a concentration of 0.69 micrograms per liter (mg/L), which is below the STLC regulatory level for arsenic of 5 mg/L.

3.9.2 Lead

Ten soil samples contained lead concentrations exceeding the STLC rule of thumb threshold of 50 mg/kg. Of these exceedances, 8 samples were extracted using the STLC WET procedure. Duplicate samples DUP-05 and DUP-08 exceeded the STLC threshold but were not extracted because their primary samples (SB-21-1.0 and SB-34-3.0, respectively) had similar results and both were extracted using the

WET procedure. Four of the 8 samples had lead concentrations exceeding the USEPA Toxicity Characteristic Leaching Procedure (TCLP) threshold of 100 mg/kg and were extracted using the TCLP.

Lead was detected in all leachate samples above RLs. The concentrations of lead in the STLC samples ranged from 0.097 to 1.3 mg/L (DUP-07 and SB-34-3.0, respectively), and the TCLP samples had estimated concentrations of 0.0054 to 0.14 mg/L (SB-34-3.0 and DUP-04, respectively). All lead leachate concentrations were below STLC and TCLP regulatory levels for lead of 5 mg/L. All lead leachate samples were analyzed for lead using USEPA Method 6020.

3.10 95UCL Analysis

The USEPA guidance "Calculating Upper Confidence Limits for Exposure Point Concentrations at Hazardous Waste Sites" (2002) recommends using the average concentration to represent a reasonable estimate of the concentration for a given site. However, the agency further recommends that due to the uncertainty associated with estimating a true average concentration, the 95 percent upper confidence limit (95UCL) of the arithmetic mean be used for this value. As such, a site-wide data evaluation was conducted to identify the 95 percent UCL for arsenic and lead in soil at the Site.

Terraphase inputted the concentrations of arsenic from 80 soil samples and of lead in 82 soil samples into USEPA's ProUCL software to calculate the 95UCL for arsenic and lead for the Site. Based on the results of the statistical evaluation, the calculated 95UCL for arsenic was 8.12 mg/kg and the 95UCL for lead was 37.66 mg/kg. Each calculated concentration is below the screening criteria for the Site. The 95UCL calculations are presented in Appendix E.

4 QA/QC

The laboratory analytical reports and case narratives were reviewed to verify correct sample designation, identification, and chain-of-custody records, and to ensure that analytical method, holding time, and detection limit requirements were met. In the duplicate soil samples (DUP-01 to DUP-08) OCPs for all duplicate samples and PCBs for sample DUP-05 were analyzed outside of the laboratory hold times. The OCP and PCB results for duplicate samples were consistent with the corresponding primary samples and the affected data was qualified.

Laboratory quality control samples such as method blanks, surrogate recoveries, matrix spike/matrix spike duplicates, and compound quantitation were reviewed. Flags applied by the laboratory did not impact the usability for the intended purpose of this assessment.

5 Community Profile

Community profile information for the 90022 zip code and participation are described briefly below.

5.1 Community Demographics

According to the 2021 American Community Survey, the demographic profile for 90022 is documented as follows:[6]

- Total population: 65,110
- Median Age: 32.7
- Population 25 years and over: 64.1 percent
- Male: 32,798 (50.4 percent)
- Female: 32,312 (49.6 percent)
- Population by race:
  - White: 26,918 (41.3 percent)
  - Black or African American: 376 (0.6 percent)
  - American Indian and Alaska Native: 1,405 (2.2 percent)
  - Asian: 726 (1.1 percent)
  - Native Hawaiian and Pacific Islander: 16 (0.0 percent)
  - Other: 28,140 (43.2 percent)
  - Two or More Races: 7,529 (11.6 percent)
- Total Households: 18,077

5.2 Local Participation and Involvement

On March 17, 2023, Terraphase distributed notices to the Garfield HS administrative counter to provide the community members with information regarding PEA-E activities. Terraphase also laminated and posted the notice on the fence at each of the four sides of the Site. At the direction of LAUSD's Office of Environmental Health and Safety, several notices were distributed to residences along East 6th Street to the south of the Site. English and Spanish translations of the notice were provided. Field sampling activities for the PEA-E study were conducted during school holidays or weekends to minimize disturbance to school activities.

6 Conclusions and Recommendations

Terraphase's PEA-E investigation conclusions and recommendations are presented in this section.

[6] https://data.census.gov/table?q=90032&tid=ACSDP5Y2019.DP05

6.1 Summary and Conclusions

The PEA investigation included performing soil sampling in general accordance with the PEA-E Work Plan (Terraphase 2023).

Soil samples collected from various locations across the Site were analyzed for asbestos, OCPs, metals (including arsenic and lead), PAHs, PCBs, TPH, and VOCs. The concentrations of COPCs in soil are summarized as follows and as shown in Tables 2 through 8:

- **Arsenic.** Arsenic concentrations exceeded the Southern California background arsenic concentration of 12 mg/kg in three locations. Using all the arsenic concentrations from the Site samples, a 95UCL concentration for arsenic was calculated as 8.12 mg/kg for the Site, below the screening criterion for arsenic.
- **Lead.** Lead concentrations in soil samples exceeded the DTSC-SL of 80 mg/kg in five soil samples. Using all detections of lead from the Site samples, a 95UCL concentration for lead was calculated as 37.66 mg/kg for the Site, below the screening criterion for lead.
- **Asbestos, OCPs, PAHs, PCBs, Title 22 metals (excluding arsenic and lead), TPH, VOCs.** Various detections of remaining COPCs were observed in shallow soil samples throughout the Site above RLs. All detections were below applicable screening criteria and are not considered a concern at the Site.
- Concentrations of arsenic and lead in leachate were below the STLC and TCLP criteria.

6.2 Recommendations

Based on the soil analytical results and comparison with screening criteria, Terraphase does not recommend any further investigation for the development zone. The calculated 95UCL concentrations for arsenic and lead were below their respective screening criteria, therefore remedial action of soil is not required. The restrictions of SCAQMD Rule 1466 for toxic air contaminants do not apply to for the development zone.

7 References

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Table 1
Sampling and Analysis Plan
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

Boring	Location Description	Depth (ft-bgs)	Arsenic (EPA 6020)	OCPs (EPA 8081A)	Lead (EPA 6020)	Asbestos (EPA PLM)	Title 22 Metals (EPA 6010B/ 7471)	VOCs (EPA 8260B)	TPH (EPA 8015B)	PCBs (EPA 8082)	PAHs (EPA 8270C)	Sampling Rationale
SB-01	South of building 700, north of building 100	1	--	--	--	--	--	X	--	--	--	Assess potential VOC impacts from print shop and spray painting booth in adjacent building 700
		3	--	--	--	--	--	X	--	--	--	
SB-02	Adjacent and north of building 100	6	X	X	X	X	X	X	X	X	X	Assess impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials; potential VOC, TPH and metals impacts from photo development laboratory in building 100; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		8	X	X	X	--	--	X	X	--	--	
SB-03	Adjacent to northwest side of building 100	6	X	X	X	--	X	X	X	--	--	Assess impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials; potential VOC, TPH and metals impacts from photo development laboratory in building 100.
		8	X	X	X	--	--	X	X	--	--	
SB-04	Adjacent to northeast side of building 100	1	X	X	X	--	X	X	X	--	--	Assess impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials; potential VOC, TPH and metals impacts from photo development laboratory in building 100.
		3	X	X	X	--	--	X	X	--	--	
SB-06	Adjacent to west side of building 100	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-07	North central parking lot beneath of building 100	1	X	X	X	--	--	--	--	--	--	Assess potential impacts to the area beneath building 100 due to application of agricultural chemicals prior to construction as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-08	Adjacent to east side of building 100	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-09	Adjacent to west side of building 100	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-10	South central parking lot beneath of building 100	1	X	X	X	--	--	--	--	--	--	Assess potential impacts to the area beneath building 100 due to application of agricultural chemicals prior to construction as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-11	Adjacent to east side of building 100	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-12	Adjacent to southwest side of building 100	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-13	Adjacent to south side of building 100	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of building 100 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-14	Adjacent to north side of building 200	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of building 200 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-15	Adjacent to north side of building 200	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of building 200 due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-16	West central parking lot beneath of building 200	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of a previously existing building due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-17	East central parking lot beneath of building 200	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of a previously existing building due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-18	Adjacent to east side of building 200	1	X	X	X	--	--	--	X	--	--	Assess potential impacts along driplines building 200 due to application of agricultural chemicals as well as lead from building materials; potential TPH impacts from a nearby elevator.
		3	X	X	X	--	--	--	--	--	--	
SB-19	Adjacent to southwest side of building 200	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of building 200 due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-20	Adjacent to south side of building 200	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of building 200 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-21	Adjacent to south side of building 200	1	X	X	X	--	--	--	--	X	--	Assess potential impacts along driplines of building 200 due to application of agricultural chemical as well as lead from building materials; potential PCB impacts due to adjacent electrical transformers.
		3	X	X	X	--	--	--	--	--	--	
SB-22	Adjacent to southeast side of building 200	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of building 200 due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-23	West of building 300	1	X	--	X	--	--	X	X	--	--	Assess potential VOC and TPH impacts from the influent end of a three-stage clarifier located west of building 300; potential impacts along driplines of building 300 due to application of agricultural chemicals and lead from building materials; depth of boring beyond 10 feet will be based on measured depth of clarifier reservoirs.
		5	--	--	--	--	--	X	X	--	--	
		10	--	--	--	--	--	X	X	--	--	
SB-24	West of building 300	1	--	--	--	--	--	X	X	--	--	Assess potential VOC and TPH impacts from the effluent end of a three-stage clarifier located west of building 300; depth of boring beyond 10 feet will be based on mea.sured depth of clarifier reservoirs
		5	--	--	--	--	--	X	X	--	--	
		10	--	--	--	--	--	X	X	--	--	

Table 1
Sampling and Analysis Plan
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

Boring	Location Description	Depth (ft-bgs)	Arsenic (EPA 6020)	OCPs (EPA 8081A)	Lead (EPA 6020)	Asbestos (EPA PLM)	Title 22 Metals (EPA 6010B/ 7471)	VOCs (EPA 8260B)	TPH (EPA 8015B)	PCBs (EPA 8082)	PAHs (EPA 8270C)	Sampling Rationale
SB-25	Adjacent to north side of building AA-336	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of portable building AA-336 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-26	Adjacent to north side of building AA-336	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of portable building AA-336 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-27	Adjacent to north side of building AA-336	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of portable building AA-336 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-28	Adjacent to north side of building AA-336	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of portable building AA-336 due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-29	Adjacent to north side of building AA-336	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-30	Adjacent to north side of building AA-336	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-31	Parking lot 75 feet south of building 200	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-32	Parking lot 50 feet west of building AA-2554	1	X	X	X	X	X	--	--	X	X	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials; identify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-33	Parking lot 50 feet west of building AA-2554	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
SB-34	Parking lot 30 feet south of building 200	1	X	X	X	--	--	--	--	--	--	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials.
		3	X	X	X	--	--	--	--	--	--	
		5	--	--	X	--	--	--	--	--	--	
SB-35	Parking lot 30 feet south of building 200	1	X	X	X	--	--	--	--	X	--	Assess potential impacts along driplines of previously existing buildings due to application of agricultural chemicals as well as lead from building materials; potential PCB impacts due to adjacent electrical transformers.
		3	X	X	X	--	--	--	--	--	--	
SB-36	Adjacent to northeast side of building AA-2554	1	X	X	X	--	--	--	--	X	--	Assess potential along driplines of portable building AA-2554 due to application of agricultural chemicals as well as lead from building materials; potential PCB impacts due to adjacent electrical transformers.
		3	X	X	X	--	--	--	--	--	--	
SB-37	Adjacent to west side of building AA-2554	1	X	X	X	X	X	--	--	X	X	Assess potential impacts to driplines of portable building AA-2554 due to application of agricultural chemicals as well as lead from building materials; ridentify concentrations of SCAQMD Rule 1466 toxic air contaminants in soil.
		3	X	X	X	--	--	--	--	--	--	
SB-38	Adjacent to east side of building AA-2554	1	X	X	X	--	--	--	--	X	--	Assess potential impacts to driplines of portable building AA-2554 due to application of agricultural chemicals as well as lead from building materials; potential PCB impacts due to adjacent electrical transformers.
		3	X	X	X	--	--	--	--	--	--	
SB-39	Adjacent to south side of building AA-2554	1	X	X	X	--	--	--	--	X	--	Assess potential impacts to driplines of portable building AA-2554 due to application of agricultural chemicals as well as lead from building materials; potential PCB impacts due to adjacent electrical transformers.
		3	X	X	X	--	--	--	--	--	--	
SB-40	East of building 200 and west of building 300 adjacent to sewer line	1	X	--	X	--	--	--	--	--	--	Assess potential impacts to shallow soil adjacent to sewer line due to application of agricultural chemicals; VOC concentrations at a depth, based on ground penetrating radar readings, which corresponds to the bottom of the adjacent sewer line.
		3	--	--	--	--	--	X	--	--	--	

Notes:
bgs = belows ground surface
OCPs = organochlorine pesticides
PCBs = polychlorinated biphenyls
PLM = polarized light microscopy
TBD = to be determined boring depth
TPH = total petroleum hydrocarbon
U.S. EPA = United States Environmental Protection Agency
VOCs = volatile organic compounds
X = sample was analyzed
-- = not analyzed

Table 2
Soil Analytical Results - Asbestos
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

					Asbestos
					Asbestos fibers
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	%
CA OSHA ACCM Threshold[1]					0.1
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	ND
SB-06	SB-06-1.0	1 - 1.5	04/04/2023	482773	ND
SB-11	SB-11-1.0	1 - 1.5	04/04/2023	482773	ND
SB-12	SB-12-1.0	1 - 1.5	04/04/2023	482773	ND
SB-15	SB-15-1.0	1 - 1.5	04/05/2023	482858	ND
SB-19	SB-19-1.0	1 - 1.5	04/04/2023	482773	ND
SB-22	SB-22-1.0	1 - 1.5	04/05/2023	482858	ND
SB-26	SB-26-1.0	1 - 1.5	04/04/2023	482773	ND
SB-30	SB-30-1.0	1 - 1.5	04/04/2023	482773	ND
SB-32	SB-32-1.0	1 - 1.5	04/04/2023	482773	ND
SB-37	SB-37-1.0	1 - 1.5	04/04/2023	482773	ND

Notes:
Detected concentrations are **bold-faced**
Shaded cells exceeded their respective screening level
- = Not analyzed or not applicable
< = analyte not detected at or above laboratory reporting limit
ACCM = asbestos-containing construction materials
CA OSHA = California Occupational Safety and Health Administration
ft bgs = feet below ground surface
J = estimated below laboratory reporting limit
mg/kg= milligrams per kilogram
ND = not detected
ft-bgs = feet below ground surface
SDG = Lab Sample Delivery Group
Environmental Standards
1. CA OSHA California Division of Occupational Safety and Health (DOSH) ACCM threshold of 0.1 percent asbestos by weight

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Table 3

Soil Analytical Results - Metals

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					Metal																			
					Antimony	Arsenic	Arsenic (STLC)	Barium	Beryllium	Cadmium	Chromium (III+VI)	Cobalt	Copper	Lead	Lead (STLC)	Lead (TCLP)	Nickel	Molybdenum	Mercury	Selenium	Silver	Thallium	Vanadium	Zinc
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
CA Specific Arsenic Background[1]					-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DTSC-SLs Soil Res[2]					-	0.11	-	-	16	7.1	-	-	-	80	-	-	820	-	1	-	-	-	-	-
EPA RSLs Soil Res[3]					31	0.68	-	15,000	160	7.1	-	23	3,100	400	-	-	1,500	390	11	390	390	0.78	390	23,000
Soluble Threshold Limit Concentration (STLC)[4]					-	-	5	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
Toxicity Characteristic Leaching Procedure (TCLP)[4]					-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	**1.5 J**	**5.8**	-	**140**	<0.50	<0.50	**36**	**12**	**25**	**6.1**	-	-	**25**	**0.66 J**	**0.045 J**	**0.35 J**	<0.50	**0.18 J**	**56**	**55**
	SB-02-8.0	8 - 8.5	04/05/2023	482858	-	**5.2**	-	-	-	-	-	-	-	**5.7**	-	-	-	-	-	-	-	-	-	-
SB-03	SB-03-6.0	6 - 6.5	04/05/2023	482858	**0.96 J**	**5.4**	-	**140**	<0.48	<0.48	**33**	**12**	**24**	**5.7**	-	-	**23**	**0.54 J**	**0.049 J**	**0.52 J**	<0.48	**0.18 J**	**53**	**52**
	SB-03-8.0	8 - 8.5	04/05/2023	482858	-	**5.8**	-	-	-	-	-	-	-	**6.4**	-	-	-	-	-	-	-	-	-	-
SB-04	SB-04-1.0	1 - 1.5	04/05/2023	482858	**0.53 J**	**1.8**	-	**59**	<0.50	<0.50	**11**	**4.9**	**13**	**5.1**	-	-	**6.9**	<0.99	**0.091 J**	<3.0	<0.50	<0.99	**34**	**36**
	SB-04-3.0	3 - 3.5	04/05/2023	482858	-	**5.0**	-	-	-	-	-	-	-	**5.6**	-	-	-	-	-	-	-	-	-	-
SB-06	SB-06-1.0	1 - 1.5	04/04/2023	482773	<3.0	**6.4***	-	**130**	**0.54**	**0.40 J**	**32**	**11**	**21**	**5.7***	-	-	**23**	**0.67 J**	**0.034 J**	<3.0	<0.50	<0.97	**48**	**60**
	SB-06-3.0	3 - 3.5	04/04/2023	482773	-	**5.3**	-	-	-	-	-	-	-	**5.5**	-	-	-	-	-	-	-	-	-	-
SB-07	SB-07-1.0	1 - 1.5	04/04/2023	482773	-	**5.5**	-	-	-	-	-	-	-	**6.5**	-	-	-	-	-	-	-	-	-	-
	SB-07-3.0	3 - 3.5	04/04/2023	482773	-	**5.2**	-	-	-	-	-	-	-	**7.0**	-	-	-	-	-	-	-	-	-	-
SB-08	SB-08-1.0	1 - 1.5	04/04/2023	482773	-	**5.2**	-	-	-	-	-	-	-	**11**	-	-	-	-	-	-	-	-	-	-
	DUP-01		04/04/2023	484731	-	**5.5**	-	-	-	-	-	-	-	**7.4**	-	-	-	-	-	-	-	-	-	-
	SB-08-3.0	3 - 3.5	04/04/2023	482773	-	**6.0**	-	-	-	-	-	-	-	**5.8**	-	-	-	-	-	-	-	-	-	-
	DUP-02		04/04/2023	484731	-	**5.7**	-	-	-	-	-	-	-	**6.3**	-	-	-	-	-	-	-	-	-	-
SB-09	SB-09-1.0	1 - 1.5	04/04/2023	482773	-	**5.7**	-	-	-	-	-	-	-	**5.7**	-	-	-	-	-	-	-	-	-	-
	SB-09-3.0	3 - 3.5	04/04/2023	482773	-	**5.5**	-	-	-	-	-	-	-	**5.5**	-	-	-	-	-	-	-	-	-	-
SB-10	SB-10-1.0	1 - 1.5	04/04/2023	482773	-	**4.7**	-	-	-	-	-	-	-	**7.3**	-	-	-	-	-	-	-	-	-	-
	SB-10-3.0	3 - 3.5	04/04/2023	482773	-	**5.7**	-	-	-	-	-	-	-	**6.0**	-	-	-	-	-	-	-	-	-	-
SB-11	SB-11-1.0	1 - 1.5	04/04/2023	482773	<2.9	**4.5***	-	**110**	**0.49**	**0.31 J**	**26**	**9.3**	**19**	**5.7***	-	-	**18**	**0.39 J**	**0.19**	<2.9	<0.48	**0.20 J**	**46**	**58**
	SB-11-3.0	3 - 3.5	04/04/2023	482773	-	**5.6**	-	-	-	-	-	-	-	**5.7**	-	-	-	-	-	-	-	-	-	-
SB-12	SB-12-1.0	1 - 1.5	04/04/2023	482773	<2.9	**5.3***	-	**140**	**0.57**	**0.40 J**	**36**	**11**	**23**	**5.6***	-	-	**26**	**0.81 J**	**0.025 J**	<2.9	<0.49	**0.21 J**	**54**	**65**
	SB-12-3.0	3 - 3.5	04/04/2023	482773	-	**5.4**	-	-	-	-	-	-	-	**5.3**	-	-	-	-	-	-	-	-	-	-
SB-13	SB-13-1.0	1 - 1.5	04/04/2023	482773	-	**79**	**0.69**	-	-	-	-	-	-	**26**	-	-	-	-	-	-	-	-	-	-
	SB-13-3.0	3 - 3.5	04/04/2023	482773	-	**5.7**	-	-	-	-	-	-	-	**5.6**	-	-	-	-	-	-	-	-	-	-
SB-14	SB-14-1.0	1 - 1.5	04/05/2023	482858	-	**4.1**	-	-	-	-	-	-	-	**12**	-	-	-	-	-	-	-	-	-	-
	DUP-03		04/05/2023	484731	-	**3.3**	-	-	-	-	-	-	-	**10**	-	-	-	-	-	-	-	-	-	-
	SB-14-3.0	3 - 3.5	04/05/2023	482858	-	**6.2**	-	-	-	-	-	-	-	**39**	-	-	-	-	-	-	-	-	-	-
	DUP-04		04/05/2023	484731	-	**6.3**	-	-	-	-	-	-	-	**200**	**0.75**	**0.14 J**	-	-	-	-	-	-	-	-
	SB-14-5.0	4.5 - 5	04/05/2023	484731	-	-	-	-	-	-	-	-	-	**53**	**0.94**	-	-	-	-	-	-	-	-	-
SB-15	SB-15-1.0	1 - 1.5	04/05/2023	482858	**1.3 J**	**4.8***	-	**110**	<0.49	<0.49	**30**	**9.0**	**20**	**15***	-	-	**17**	**0.80 J**	**0.021 J**	<2.9	<0.49	**0.26 J**	**45**	**62**
	SB-15-3.0	3 - 3.5	04/05/2023	482858	-	**5.3**	-	-	-	-	-	-	-	**25**	-	-	-	-	-	-	-	-	-	-
SB-16	SB-16-1.0	1 - 1.5	04/04/2023	482773	-	**4.8**	-	-	-	-	-	-	-	**28**	-	-	-	-	-	-	-	-	-	-
	SB-16-3.0	3 - 3.5	04/04/2023	482773	-	**5.9**	-	-	-	-	-	-	-	**8.9**	-	-	-	-	-	-	-	-	-	-
SB-17	SB-17-1.0	1 - 1.5	04/04/2023	482773	-	**5.1**	-	-	-	-	-	-	-	**20**	-	-	-	-	-	-	-	-	-	-
	SB-17-3.0	3 - 3.5	04/04/2023	482773	-	**5.1**	-	-	-	-	-	-	-	**12**	-	-	-	-	-	-	-	-	-	-
SB-18	SB-18-1.0	1 - 1.5	04/05/2023	482858	-	**5.7**	-	-	-	-	-	-	-	**15**	-	-	-	-	-	-	-	-	-	-
	SB-18-3.0	3 - 3.5	04/05/2023	482858	-	**4.7**	-	-	-	-	-	-	-	**5.8**	-	-	-	-	-	-	-	-	-	-
SB-19	SB-19-1.0	1 - 1.5	04/04/2023	482773	<2.9	**5.5***	-	**130**	**0.47 J**	**0.44 J**	**30**	**22**	**23**	**40***	-	-	**24**	**0.60 J**	**0.15 J**	<2.9	<0.48	**0.18 J**	**47**	**91**
	SB-19-3.0	3 - 3.5	04/04/2023	482773	-	**4.9**	-	-	-	-	-	-	-	**5.8**	-	-	-	-	-	-	-	-	-	-

Table 3

Soil Analytical Results - Metals

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					Metal																			
					Antimony	Arsenic	Arsenic (STLC)	Barium	Beryllium	Cadmium	Chromium (III+VI)	Cobalt	Copper	Lead	Lead (STLC)	Lead (TCLP)	Nickel	Molybdenum	Mercury	Selenium	Silver	Thallium	Vanadium	Zinc
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
CA Specific Arsenic Background[1]					-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DTSC-SLs Soil Res[2]					-	0.11	-	-	16	7.1	-	-	-	80	-	-	820	-	1	-	-	-	-	-
EPA RSLs Soil Res[3]					31	0.68	-	15,000	160	7.1	-	23	3,100	400	-	-	1,500	390	11	390	390	0.78	390	23,000
Soluble Threshold Limit Concentration (STLC)[4]					-	-	5	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
Toxicity Characteristic Leaching Procedure (TCLP)[4]					-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
SB-20	SB-20-1.0	1 - 1.5	04/04/2023	482773	-	**4.8**	-	-	-	-	-	-	-	**15**	-	-	-	-	-	-	-	-	-	-
	SB-20-3.0	3 - 3.5	04/04/2023	482773	-	**4.6**	-	-	-	-	-	-	-	**43**	-	-	-	-	-	-	-	-	-	-
SB-21	SB-21-1.0	1 - 1.5	04/04/2023	482773	-	**6.6**	-	-	-	-	-	-	-	**65**	**0.75**	-	-	-	-	-	-	-	-	-
	DUP-05		04/04/2023	484731	-	**3.7**	-	-	-	-	-	-	-	**61**	-	-	-	-	-	-	-	-	-	-
	SB-21-3.0	3 - 3.5	04/04/2023	482773	-	**4.8**	-	-	-	-	-	-	-	**6.5**	-	-	-	-	-	-	-	-	-	-
	DUP-06		04/04/2023	484731	-	**4.8**	-	-	-	-	-	-	-	**9.5**	-	-	-	-	-	-	-	-	-	-
SB-22	SB-22-1.0	1 - 1.5	04/05/2023	482858	**1.2 J**	**6.0**	-	**180**	<0.49	<0.49	**37**	**10**	**27**	**150**	**0.28**	**0.0085 J**	**25**	**1.0**	**0.032 J**	**0.80 J**	<0.49	<0.95	**55**	**100**
	SB-22-3.0	3 - 3.5	04/05/2023	482858	-	**5.6**	-	-	-	-	-	-	-	**13**	-	-	-	-	-	-	-	-	-	-
SB-23	SB-23-1.0	1 - 1.5	04/05/2023	482858	-	**3.7**	-	-	-	-	-	-	-	**17**	-	-	-	-	-	-	-	-	-	-
SB-25	SB-25-1.0	1 - 1.5	04/04/2023	482773	-	**13**	-	-	-	-	-	-	-	**17**	-	-	-	-	-	-	-	-	-	-
	SB-25-3.0	3 - 3.5	04/04/2023	482773	-	**5.1**	-	-	-	-	-	-	-	**6.6**	-	-	-	-	-	-	-	-	-	-
SB-26	SB-26-1.0	1 - 1.5	04/04/2023	482773	<2.9	**5.0***	-	**130**	**0.56**	**0.41 J**	**34**	**11**	**23**	**5.6***	-	-	**25**	**0.75 J**	**0.016 J**	<2.9	<0.49	**0.27 J**	**50**	**67**
	SB-26-3.0	3 - 3.5	04/04/2023	482773	-	**5.2**	-	-	-	-	-	-	-	**6.0**	-	-	-	-	-	-	-	-	-	-
SB-27	SB-27-1.0	1 - 1.5	04/04/2023	482773	-	**5.4**	-	-	-	-	-	-	-	**13**	-	-	-	-	-	-	-	-	-	-
	SB-27-3.0	3 - 3.5	04/04/2023	482773	-	**5.6**	-	-	-	-	-	-	-	**5.7**	-	-	-	-	-	-	-	-	-	-
SB-28	SB-28-1.0	1 - 1.5	04/05/2023	482858	-	**5.9**	-	-	-	-	-	-	-	**44**	-	-	-	-	-	-	-	-	-	-
	SB-28-3.0	3 - 3.5	04/05/2023	482858	-	**5.5**	-	-	-	-	-	-	-	**5.5**	-	-	-	-	-	-	-	-	-	-
SB-29	SB-29-1.0	1 - 1.5	04/04/2023	482773	-	**5.1**	-	-	-	-	-	-	-	**5.9**	-	-	-	-	-	-	-	-	-	-
	SB-29-3.0	3 - 3.5	04/04/2023	482773	-	**5.4**	-	-	-	-	-	-	-	**5.6**	-	-	-	-	-	-	-	-	-	-
SB-30	SB-30-1.0	1 - 1.5	04/04/2023	482773	<2.9	**2.2***	-	**110**	**0.35 J**	**0.26 J**	**18**	**8.1**	**18**	**10***	-	-	**12**	**0.30 J**	**0.073 J**	<2.9	<0.49	**0.15 J**	**43**	**58**
	SB-30-3.0	3 - 3.5	04/04/2023	482773	-	**5.0**	-	-	-	-	-	-	-	**5.6**	-	-	-	-	-	-	-	-	-	-
SB-31	SB-31-1.0	1 - 1.5	04/04/2023	482773	-	**4.7**	-	-	-	-	-	-	-	**9.3**	-	-	-	-	-	-	-	-	-	-
	SB-31-3.0	3 - 3.5	04/04/2023	482773	-	**5.5**	-	-	-	-	-	-	-	**5.6**	-	-	-	-	-	-	-	-	-	-
SB-32	SB-32-1.0	1 - 1.5	04/04/2023	482773	<3.0	**3.2***	-	**86**	**0.33 J**	**0.28 J**	**16**	**6.8**	**14**	**13***	-	-	**10**	**0.26 J**	**0.037 J**	<3.0	<0.50	**0.18 J**	**37**	**59**
	SB-32-3.0	3 - 3.5	04/04/2023	482773	-	**5.4**	-	-	-	-	-	-	-	**5.9**	-	-	-	-	-	-	-	-	-	-
SB-33	SB-33-1.0	1 - 1.5	04/04/2023	482773	-	**2.6**	-	-	-	-	-	-	-	**9.2**	-	-	-	-	-	-	-	-	-	-
	SB-33-3.0	3 - 3.5	04/04/2023	482773	-	**5.4**	-	-	-	-	-	-	-	**5.9**	-	-	-	-	-	-	-	-	-	-
SB-34	SB-34-1.0	1 - 1.5	04/04/2023	482773	-	**6.5**	-	-	-	-	-	-	-	**29**	-	-	-	-	-	-	-	-	-	-
	DUP-07	0.5 - 1	04/04/2023	484731	-	**5.1**	-	-	-	-	-	-	-	**66**	**0.097 J**	<0.15	-	-	-	-	-	-	-	-
	SB-34-3.0	3 - 3.5	04/04/2023	482773	-	**5.0**	-	-	-	-	-	-	-	**110**	**1.3**	**0.0054 J**	-	-	-	-	-	-	-	-
	DUP-08	2.5 - 3	04/04/2023	484731	-	**5.4**	-	-	-	-	-	-	-	**100**	-	-	-	-	-	-	-	-	-	-
	SB-34-5.0	4.5 - 5	04/04/2023	482773	-	-	-	-	-	-	-	-	-	**8.2**	-	-	-	-	-	-	-	-	-	-
SB-35	SB-35-1.0	1 - 1.5	04/04/2023	482773	-	**3.3**	-	-	-	-	-	-	-	**54**	**0.29**	-	-	-	-	-	-	-	-	-
	SB-35-3.0	3 - 3.5	04/04/2023	482773	-	**5.2**	-	-	-	-	-	-	-	**5.9**	-	-	-	-	-	-	-	-	-	-
SB-36	SB-36-1.0	1 - 1.5	04/05/2023	482858	-	**13**	-	-	-	-	-	-	-	**92**	**0.44**	-	-	-	-	-	-	-	-	-
	SB-36-3.0	3 - 3.5	04/05/2023	482858	-	**4.4**	-	-	-	-	-	-	-	**3.0**	-	-	-	-	-	-	-	-	-	-
SB-37	SB-37-1.0	1 - 1.5	04/04/2023	482773	<2.9	**4.7***	-	**210**	**0.70**	**0.50**	**38**	**12**	**25**	**6.2***	-	-	**27**	**0.97**	**0.12 J**	<2.9	<0.48	**0.21 J**	**58**	**76**
	SB-37-3.0	3 - 3.5	04/04/2023	482773	-	**5.3**	-	-	-	-	-	-	-	**5.9**	-	-	-	-	-	-	-	-	-	-

Table 3

Soil Analytical Results - Metals

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					Metal																			
					Antimony	Arsenic	Arsenic (STLC)	Barium	Beryllium	Cadmium	Chromium (III+VI)	Cobalt	Copper	Lead	Lead (STLC)	Lead (TCLP)	Nickel	Molybdenum	Mercury	Selenium	Silver	Thallium	Vanadium	Zinc
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
CA Specific Arsenic Background[1]					-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DTSC-SLs Soil Res[2]					-	0.11	-	-	16	7.1	-	-	-	80	-	-	820	-	1	-	-	-	-	-
EPA RSLs Soil Res[3]					31	0.68	-	15,000	160	7.1	-	23	3,100	400	-	-	1,500	390	11	390	390	0.78	390	23,000
Soluble Threshold Limit Concentration (STLC)[4]					-	-	5	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-
Toxicity Characteristic Leaching Procedure (TCLP)[4]					-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
SB-38	SB-38-1.0	1 - 1.5	04/05/2023	482858	-	**12**	-	-	-	-	-	-	-	**31**	-	-	-	-	-	-	-	-	-	-
	SB-38-3.0	3 - 3.5	04/05/2023	482858	-	**6.8**	-	-	-	-	-	-	-	**7.7**	-	-	-	-	-	-	-	-	-	-
SB-39	SB-39-1.0	1 - 1.5	04/05/2023	482858	-	**12**	-	-	-	-	-	-	-	**29**	-	-	-	-	-	-	-	-	-	-
	SB-39-3.0	3 - 3.5	04/05/2023	482858	-	**5.8**	-	-	-	-	-	-	-	**6.5**	-	-	-	-	-	-	-	-	-	-
SB-40	SB-40-1.0	1 - 1.5	04/05/2023	482858	-	**5.5**	-	-	-	-	-	-	-	**9.7**	-	-	-	-	-	-	-	-	-	-

Notes:

Detected concentrations are **bold-faced**

Shaded cells exceeded their respective screening level

mg/kg= milligrams per kilogram

mg/L = milligrams per liter

- = not analyzed or not applicable

< = analyte not detected at or above laboratory reporting limit

J = estimated below laboratory reporting limit

ft-bgs = feet below ground surface

SDG = Lab Sample Delivery Group

STLC = soluble threshold level concentration

TCLP = Toxic Characteristic Leaching Procedure

* = Arsenic, Lead, Thallium result was obtained via EPA 6010B analysis. All other arsenic, lead, and thallium results obtained via EPA 6020.

Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. Chernoff, G., W. Bosan, and D. Oudiz. 2008. Determination of a Southern California Regional Background Arsenic Concentration in Soil. California Department of Toxic Substances Control (DTSC). 2009.
2. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res
3. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res
4. Cal. Admin. Code tit. 22, § 66261.24, 22 CA ADC § 66261.24. 22 CCR § 66261.24 § 66261.24. Characteristic of Toxicity.

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Table 4

Soil Analytical Results - OCPs

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					Organochlorine Pesticides																				
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Chlordane (total)	Toxaphene
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					1.9	2	1.9	0.039	0.086	0.3	-	0.034	-	-	380	19	-	-	0.57	0.13	0.07	320	-	0.45
EPA RSLs Soil Res[2]					2.3	2	1.9	0.039	0.086	0.3	-	0.034	-	-	380	19	-	-	0.57	0.13	0.07	320	-	0.49
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-02-8.0	8 - 8.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-03	SB-03-6.0	6 - 6.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-03-8.0	8 - 8.5	04/05/2023	482858	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
SB-04	SB-04-1.0	1 - 1.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-04-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-06	SB-06-1.0	1 - 1.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
	SB-06-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-07	SB-07-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-07-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-08	SB-08-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	DUP-01	0.5 - 1	04/04/2023	484731	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.098
	SB-08-3.0	3 - 3.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
	DUP-02	2.5 - 3	04/04/2023	484731	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.098
SB-09	SB-09-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-09-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-10	SB-10-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-10-3.0	3 - 3.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
SB-11	SB-11-1.0	1 - 1.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.098
	SB-11-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-12	SB-12-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-12-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-13	SB-13-1.0	1 - 1.5	04/04/2023	482773	<0.0050	**0.0020 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-13-3.0	3 - 3.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
SB-14	SB-14-1.0	1 - 1.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	**0.014 J**	<0.099
	DUP-03	0.5 - 1	04/05/2023	484731	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	**0.028 HJ**	<0.099
	SB-14-3.0	3 - 3.5	04/05/2023	482858	<0.0050	**0.0017 J**	**0.0035 CJ**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0041 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.035 J**	<0.1
	DUP-04	2.5 - 3	04/05/2023	484731	<0.0049	**0.0018 CHJ**	**0.0038 HJ**	<0.0049	<0.0049	<0.0049	<0.0049	**0.0035 HJ**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	**0.059 H**	<0.098
SB-15	SB-15-1.0	1 - 1.5	04/05/2023	482858	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.05	<0.25	<0.5
	SB-15-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	**0.0038 J**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0075**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	**0.1**	<0.099
SB-16	SB-16-1.0	1 - 1.5	04/04/2023	482773	**0.0027 J**	**0.0041 J**	**0.0088**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0048 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.14**	<0.1
	SB-16-3.0	3 - 3.5	04/04/2023	482773	<0.0050	**0.0019 J**	**0.0032 J**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0023 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.034 J**	<0.1
SB-17	SB-17-1.0	1 - 1.5	04/04/2023	482773	**0.0017 J**	**0.0074**	**0.0088**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0032 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.053**	<0.1
	SB-17-3.0	3 - 3.5	04/04/2023	482773	<0.0050	**0.0034 J**	**0.0036 J**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0025 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.047 J**	<0.1
SB-18	SB-18-1.0	1 - 1.5	04/05/2023	482858	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.05	**0.1 J**	<0.5
	SB-18-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-19	SB-19-1.0	1 - 1.5	04/04/2023	482773	<0.0050	**0.096**	**0.069**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0023 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.2**	<0.1
	SB-19-3.0	3 - 3.5	04/04/2023	482773	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.01	<0.051	<0.1

Table 4

Soil Analytical Results - OCPs

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					Organochlorine Pesticides																			
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Chlordane (total)	Toxaphene
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					1.9	2	1.9	0.039	0.086	0.3	-	0.034	-	-	380	19	-	-	0.57	0.13	0.07	320	-	0.45
EPA RSLs Soil Res[2]					2.3	2	1.9	0.039	0.086	0.3	-	0.034	-	-	380	19	-	-	0.57	0.13	0.07	320	-	0.49
SB-20	SB-20-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.028 J**	<0.1
	SB-20-3.0	3 - 3.5	04/04/2023	482773	<0.0050	**0.0046 J**	**0.0057 C**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0031 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	**0.17**	<0.099
SB-21	SB-21-1.0	1 - 1.5	04/04/2023	482773	**0.0075**	**0.023**	**0.0032 CJ**	<0.0051	<0.0051	<0.0051	<0.0051	**0.0068 C**	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.01	**0.16**	<0.1
	DUP-05	0.5 - 1	04/04/2023	484731	**0.016 H**	**0.018 H**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	**0.0050 CHJ**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	**0.2 H**	<0.099
	SB-21-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	DUP-06	2.5 - 3	04/04/2023	484731	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.02	**0.028 HJ**	<0.2
SB-22	SB-22-1.0	1 - 1.5	04/05/2023	482858	<0.0050	**0.011**	**0.012**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.44**	<0.1
	SB-22-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.5**	<0.1
SB-25	SB-25-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-25-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-26	SB-26-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-26-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-27	SB-27-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-27-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-28	SB-28-1.0	1 - 1.5	04/05/2023	482858	<0.0050	**0.0033 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-28-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-29	SB-29-1.0	1 - 1.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.049	<0.098
	SB-29-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-30	SB-30-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-30-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-31	SB-31-1.0	1 - 1.5	04/04/2023	482773	<0.0049	**0.0017 CJ**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
	SB-31-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-32	SB-32-1.0	1 - 1.5	04/04/2023	482773	<0.0049	**0.0025 J**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
	SB-32-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-33	SB-33-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-33-3.0	3 - 3.5	04/04/2023	482773	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0099	<0.049	<0.099
SB-34	SB-34-1.0	1 - 1.5	04/04/2023	482773	<0.0050	**0.0059**	**0.0099 C**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0036 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.18**	<0.1
	DUP-07	0.5 - 1	04/04/2023	484731	<0.0050	**0.0078 H**	**0.013 CH**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0036 HJ**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.17 H**	<0.1
	SB-34-3.0	3 - 3.5	04/04/2023	482773	<0.0050	**0.0065**	**0.0080 C**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0021 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	**0.057**	<0.099
	DUP-08	2.5 - 3	04/04/2023	484731	<0.0050	**0.0043 HJ**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	**0.063 H**	<0.099
SB-35	SB-35-1.0	1 - 1.5	04/04/2023	482773	<0.0050	**0.0061**	**0.0054 C**	<0.0050	<0.0050	<0.0050	<0.0050	**0.0030 CJ**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.29**	<0.1
	SB-35-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
SB-36	SB-36-1.0	1 - 1.5	04/05/2023	482858	<0.0050	<0.0050	**0.0026 J**	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	**0.041 J**	<0.1
	SB-36-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-37	SB-37-1.0	1 - 1.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-37-3.0	3 - 3.5	04/04/2023	482773	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
SB-38	SB-38-1.0	1 - 1.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1
	SB-38-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1

Table 4

Soil Analytical Results - OCPs

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					Organochlorine Pesticides																				
					4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Methoxychlor	Chlordane (total)	Toxaphene
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					1.9	2	1.9	0.039	0.086	0.3	-	0.034	-	-	380	19	-	-	0.57	0.13	0.07	320	-	0.45
EPA RSLs Soil Res[2]					2.3	2	1.9	0.039	0.086	0.3	-	0.034	-	-	380	19	-	-	0.57	0.13	0.07	320	-	0.49
SB-39	SB-39-1.0	1 - 1.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.05	<0.099
	SB-39-3.0	3 - 3.5	04/05/2023	482858	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.01	<0.05	<0.1

Notes:

Detected concentrations are **bold-faced**

Shaded cells exceeded their respective screening level

- = Not analyzed or not applicable

< = analyte not detected at or above laboratory reporting limit

C = presence of analyte was confirmed but RPD between columns exceeded 40%

ft-bgs = feet below ground surface

H = sample was prepared outside of hold time

J = estimated below laboratory reporting limit

mg/kg= milligrams per kilogram

OCP = organochlorine pesticide

SDG = Lab Sample Delivery Group

Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res
2. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res

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Table 5

Soil Analytical Results - PAHs

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					PAH																
					1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					9.9	190	3,300	-	17,000	1.1	0.11	1.1	-	11	110	0.028	2,400	2,300	1.1	-	1,800
EPA RSLs Soil Res[2]					18	240	3,600	-	18,000	1.1	0.11	1.1	-	11	110	0.11	2,400	2,400	1.1	-	1,800
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099
SB-06	SB-06-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SB-11	SB-11-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SB-12	SB-12-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SB-15	SB-15-1.0	1 - 1.5	04/05/2023	482858	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099	<0.0099
SB-19	SB-19-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0022 J**	**0.0035 J**	**0.0039 J**	**0.0044 J**	<0.01	**0.0044 J**	<0.01	**0.0042 J**	<0.01	**0.0025 J**	<0.01	**0.0044 J**
SB-22	SB-22-1.0	1 - 1.5	04/05/2023	482858	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0035 J**	**0.0037 J**	**0.0043 J**	**0.0027 J**	**0.0019 J**	**0.0041 J**	<0.01	**0.0065 J**	<0.01	**0.0023 J**	**0.0028 J**	**0.0058 J**
SB-26	SB-26-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
SB-30	SB-30-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0032 J**	**0.0040 J**	**0.0046 J**	**0.0025 J**	<0.01	**0.0038 J**	<0.01	**0.0045 J**	<0.01	**0.0027 J**	<0.01	**0.0047 J**
SB-32	SB-32-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	**0.0029 J**	**0.0035 J**	**0.0040 J**	**0.0018 J**	<0.01	**0.0028 J**	<0.01	**0.0031 J**	<0.01	**0.0021 J**	<0.01	**0.0032 J**
SB-37	SB-37-1.0	1 - 1.5	04/04/2023	482773	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Notes:

Detected concentrations are **bold-faced**

Shaded cells exceeded their respective screening level

- = not analyzed or not applicable

< = analyte not detected at or above laboratory reporting limit

J = estimated below laboratory reporting limit

ft-bgs = feet below ground surface

mg/kg= milligrams per kilogram

PAH = polycyclic aromatic hydrocarbons

SDG = Lab Sample Delivery Group

Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res

2. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res

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Table 6

Soil Analytical Results - PCBs

PEA-E Report - James A. Garfield High School

5101 E 6th Street, Los Angeles, CA 90022

					PCBs									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					4	0.2	0.17	0.23	0.23	0.24	0.24	-	-	0.23
EPA RSLs Soil Res[2]					4.1	0.2	0.17	0.23	0.23	0.24	0.24	-	-	0.23
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-06	SB-06-1.0	1 - 1.5	04/04/2023	482773	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
SB-11	SB-11-1.0	1 - 1.5	04/04/2023	482773	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
SB-12	SB-12-1.0	1 - 1.5	04/04/2023	482773	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-15	SB-15-1.0	1 - 1.5	04/05/2023	482858	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-19	SB-19-1.0	1 - 1.5	04/04/2023	482773	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-21	SB-21-1.0	1 - 1.5	04/04/2023	482773	<0.051	<0.051	<0.051	<0.051	<0.051	**0.07**	**0.11**	<0.051	<0.051	**0.18**
	DUP-05		04/04/2023	484731	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	**0.084 H**	<0.05	<0.05	**0.084**
SB-22	SB-22-1.0	1 - 1.5	04/05/2023	482858	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-26	SB-26-1.0	1 - 1.5	04/04/2023	482773	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-30	SB-30-1.0	1 - 1.5	04/04/2023	482773	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-32	SB-32-1.0	1 - 1.5	04/04/2023	482773	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
SB-35	SB-35-1.0	1 - 1.5	04/04/2023	482773	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-36	SB-36-1.0	1 - 1.5	04/05/2023	482858	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-37	SB-37-1.0	1 - 1.5	04/04/2023	482773	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-38	SB-38-1.0	1 - 1.5	04/05/2023	482858	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SB-39	SB-39-1.0	1 - 1.5	04/05/2023	482858	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Notes:

Detected concentrations are **bold-faced**

Shaded cells exceeded their respective screening level

- = Not analyzed or not applicable

< = analyte not detected at or above laboratory reporting limit

ft-bgs = feet below ground surface

H = sample was prepared outside of hold time

mg/kg= milligrams per kilogram

PCB = polychlorinated biphenyl

SDG = Lab Sample Delivery Group

Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res

2. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res

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Table 7
Soil Analytical Results - TPH
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

					TPH		
					TPH as Gasoline	TPH as Diesel	TPH as Motor Oil
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg
SFRWQCB 2019-rev2 Soil Direct Exposure HHRL Res[1]					430	260	12,000
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<2.5	<10	<20
	SB-02-8.0	8 - 8.5	04/05/2023	482858	<2.8	<10	<20
SB-03	SB-03-6.0	6 - 6.5	04/05/2023	482858	<2.7	**1.7 J**	**1.9 BJ**
	SB-03-8.0	8 - 8.5	04/05/2023	482858	<2.5	<9.9	<20
SB-04	SB-04-1.0	1 - 1.5	04/05/2023	482858	<2.4	**1.5 J**	<20
	SB-04-3.0	3 - 3.5	04/05/2023	482858	<2.3	<10	<20
SB-18	SB-18-1.0	1 - 1.5	04/05/2023	482858	<2.9	**8.6 J**	**70**
SB-23	SB-23-1.0	1 - 1.5	04/05/2023	482858	<2.6	**10 J**	**140**
	SB-23-5.0	5 - 5.5	04/05/2023	482858	<2.5	**5.8 J**	**16 J**
	SB-23-10.0	10 - 10.5	04/05/2023	482858	<2.5	<9.9	<20
SB-24	SB-24-1.0	1 - 1.5	04/05/2023	482858	<2.4	-	-
	SB-24-5.0	5 - 5.5	04/05/2023	482858	<2.3	-	-
	SB-24-10.0	10 - 10.5	04/05/2023	482858	<2.8	-	-

Notes:
Detected concentrations are **bold-faced**
Shaded cells exceeded their respective screening level
- = not analyzed or not applicable
< = analyte not detected at or above laboratory reporting limit
B = sample results between the MDL and RL
ft-bgs = feet below ground surface
HHRL = Human Health Risk Level
J = estimated below laboratory reporting limit
mg/kg= milligrams per kilogram
SDG = Lab Sample Delivery Group
SFRWQCB = San Francisco Regional Water Quality Control Board
TPH = total petroleum hydrocarbon

Environmental Standards

1. The SFBRWQCB Environmental Screening Levels (ESLs) direct exposure HHRL for residential soil (2019).

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Table 8
Soil Analytical Results - VOCs
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

					VOC																							
					1,4-Dichloro-2-butene (total)	1,4-Dichloro-2-butene(cis)	Allyl chloride	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1,2-Trichlorotrifluoroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethene(cis)	1,2-Dichloroethene(trans)	1,2-Dichloropropane	1,3,5-Trimethylbenzene
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					-	-	-	2	1,700	0.6	-	-	3.6	83	-	40	0.0015	7.8	-	0.0043	0.036	-	-	18	130	-	-
EPA RSLs Soil Res[2]					0.0021	0.0074	0.72	2	8,100	0.6	1.1	6,700	3.6	230	-	63	0.0051	24	300	0.0053	0.036	1,800	0.46	63	70	2.5	270
SB-01	SB-01-1.0	1 - 1.5	04/05/2023	482858	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041
	SB-01-3.0	3 - 3.5	04/05/2023	482858	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
	SB-02-8.0	8 - 8.5	04/05/2023	482858	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
SB-03	SB-03-6.0	6 - 6.5	04/05/2023	482858	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043
	SB-03-8.0	8 - 8.5	04/05/2023	482858	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
SB-04	SB-04-1.0	1 - 1.5	04/05/2023	482858	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
	SB-04-3.0	3 - 3.5	04/05/2023	482858	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037
SB-23	SB-23-1.0	1 - 1.5	04/05/2023	482858	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
	SB-23-5.0	5 - 5.5	04/05/2023	482858	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
	SB-23-10.0	10 - 10.5	04/05/2023	482858	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
SB-24	SB-24-1.0	1 - 1.5	04/05/2023	482858	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
	SB-24-5.0	5 - 5.5	04/05/2023	482858	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046
	SB-24-10.0	10 - 10.5	04/05/2023	482858	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
SB-40	SB-40-3.0	3 - 3.5	04/05/2023	482858	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046

Notes:
Detected concentrations are **bold-faced**
Shaded cells exceeded their respective screening level
- = not analyzed or not applicable
< = analyte not detected at or above laboratory reporting limit
B = sample results between the MDL and RL.
ft-bgs = feet below ground surface
H = sample was prepared outside of hold time
J = estimated below laboratory reporting limit
mg/kg= milligrams per kilogram
SDG = Lab Sample Delivery Group
VOC = volatile organic compound
Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res

2. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res

Table 8
Soil Analytical Results - VOCs
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

					VOC																					
					1,3-Dichlorobenzene	1,3-Dichloropropane	1,3-Dichloropropene(cis)	1,3-Dichloropropene(trans)	1,4-Dichlorobenzene	2,2-Dichloropropane	2-chlorotoluene	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Benzene	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Bromomethane	Carbon tetrachloride	Chlorobenzene	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	Dibromomethane
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					-	410	-	-	-	-	470	440	-	-	0.33	-	-	0.29	19	-	0.65	-	0.94	-	-	-	-
EPA RSLs Soil Res[2]					-	1,600	-	-	2.6	-	1,600	1,600	33,000	70,000	1.2	290	150	0.29	19	6.8	0.65	280	8.3	5,400	0.32	110	24
SB-01	SB-01-1.0	1 - 1.5	04/05/2023	482858	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.081	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041
	SB-01-3.0	3 - 3.5	04/05/2023	482858	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.1	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.093	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
	SB-02-8.0	8 - 8.5	04/05/2023	482858	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	**0.031 BJ**	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053
SB-03	SB-03-6.0	6 - 6.5	04/05/2023	482858	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.087	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043
	SB-03-8.0	8 - 8.5	04/05/2023	482858	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.085	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
SB-04	SB-04-1.0	1 - 1.5	04/05/2023	482858	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.089	**0.0011 J**	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
	SB-04-3.0	3 - 3.5	04/05/2023	482858	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.075	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037
SB-23	SB-23-1.0	1 - 1.5	04/05/2023	482858	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	**0.02 BJ**	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048
	SB-23-5.0	5 - 5.5	04/05/2023	482858	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.083	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
	SB-23-10.0	10 - 10.5	04/05/2023	482858	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.08	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
SB-24	SB-24-1.0	1 - 1.5	04/05/2023	482858	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.09	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
	SB-24-5.0	5 - 5.5	04/05/2023	482858	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.093	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046
	SB-24-10.0	10 - 10.5	04/05/2023	482858	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.08	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
SB-40	SB-40-3.0	3 - 3.5	04/05/2023	482858	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.092	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046

Notes:
Detected concentrations are **bold-faced**
Shaded cells exceeded their respective screening level
- = not analyzed or not applicable
< = analyte not detected at or above laboratory reporting limit
B = sample results between the MDL and RL.
ft-bgs = feet below ground surface
H = sample was prepared outside of hold time
J = estimated below laboratory reporting limit
mg/kg= milligrams per kilogram
SDG = Lab Sample Delivery Group
VOC = volatile organic compound
Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res

2. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res

Table 8
Soil Analytical Results - VOCs
PEA-E Report - James A. Garfield High School
5101 E 6th Street, Los Angeles, CA 90022

					VOC																					
					Dichlorodifluoromethane	Dichloromethane	Ethylbenzene	Hexachlorobutadiene	Isopropylbenzene	Methyl Ethyl Ketone	Methyl Tertiary Butyl Ether	Naphthalene	n-butylbenzene	n-propylbenzene	p-isopropyltoluene	sec-butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Trichloroethene	Trichlorofluoromethane	Vinyl chloride	Xylene (m & p)	Xylene (o)	Xylenes (total)
Location Code	**Sample ID**	**Depth (ft-bgs)**	**Date**	**SDG**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
DTSC-SLs Soil Res[1]					-	2.2	-	1.2	-	-	-	2	2,400	-	-	2,200	5,600	2,200	0.59	1,100	-	1,200	0.0082	-	-	-
EPA RSLs Soil Res[2]					87	57	5.8	1.2	1,900	27,000	47	2	3,900	3,800	-	7,800	6,000	7,800	24	4,900	0.94	23,000	0.059	-	640	580
SB-01	SB-01-1.0	1 - 1.5	04/05/2023	482858	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.081	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0081	<0.0041	<0.0041
	SB-01-3.0	3 - 3.5	04/05/2023	482858	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.1	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.01	<0.0051	<0.0051
SB-02	SB-02-6.0	6 - 6.5	04/05/2023	482858	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.093	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0093	<0.0047	<0.0047
	SB-02-8.0	8 - 8.5	04/05/2023	482858	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.11	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053
SB-03	SB-03-6.0	6 - 6.5	04/05/2023	482858	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.087	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0087	<0.0043	<0.0043
	SB-03-8.0	8 - 8.5	04/05/2023	482858	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.085	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0085	<0.0042	<0.0042
SB-04	SB-04-1.0	1 - 1.5	04/05/2023	482858	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.089	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0089	<0.0045	<0.0045
	SB-04-3.0	3 - 3.5	04/05/2023	482858	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.075	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0075	<0.0037	<0.0037
SB-23	SB-23-1.0	1 - 1.5	04/05/2023	482858	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.097	<0.0048	<0.0048	<0.0048	<0.0048	**0.0015 J**	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0097	<0.0048	<0.0048
	SB-23-5.0	5 - 5.5	04/05/2023	482858	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.083	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0083	<0.0042	<0.0042
	SB-23-10.0	10 - 10.5	04/05/2023	482858	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.08	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0080	<0.0040	<0.0040
SB-24	SB-24-1.0	1 - 1.5	04/05/2023	482858	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.09	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0090	<0.0045	<0.0045
	SB-24-5.0	5 - 5.5	04/05/2023	482858	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.093	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0093	<0.0046	<0.0046
	SB-24-10.0	10 - 10.5	04/05/2023	482858	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.08	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0080	<0.0040	<0.0040
SB-40	SB-40-3.0	3 - 3.5	04/05/2023	482858	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.092	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0092	<0.0046	<0.0046

Notes:
Detected concentrations are **bold-faced**
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- = not analyzed or not applicable
< = analyte not detected at or above laboratory reporting limit
B = sample results between the MDL and RL.
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J = estimated below laboratory reporting limit
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SDG = Lab Sample Delivery Group
VOC = volatile organic compound
Results are only screened against the EPA RSL where no DTSC HERO Note 3 SL is present

Environmental Standards

1. California Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 3 Modified Screening Levels in Residential (Res) Scenarios, June 2020 rev. May 2022, DTSC-SLs Soil Res

2. United States Environmental Protection Agency (EPA) Regional Screening Levels (RSL) in Residential (Res) Scenarios (TR=1E-06, HQ=1), May 2023, EPA RSLs Soil Res

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Figures

1 Site Location
2 Site Layout
3 Site Project Area and Soil Sample Locations
4 Arsenic and Lead Concentrations Exceeding Screening Criteria

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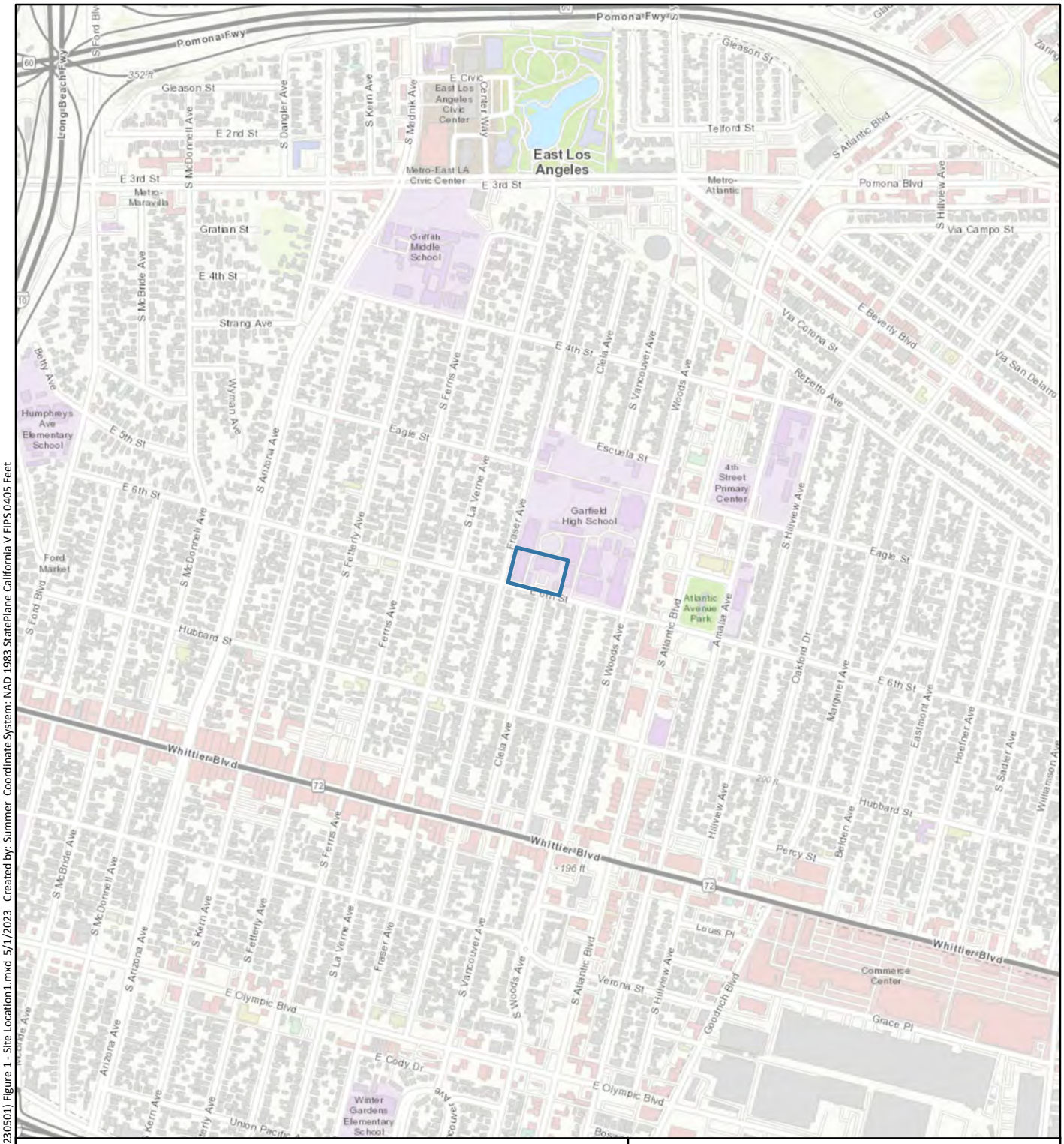

File: N:\GIS\Prj\S030 LAUSD\S030.056_Garfield HS\MXDs\(20230501) Figure 1 - Site Location1.mxd 5/1/2023 Created by: Summer Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet

0 1,000 2,000 Feet

1 inch = 1,000 feet

N

Legend

Site Boundary

Base Map: ESRI World Topographic Map
(data providers include HERE, Garmin, USGS, et al.)

SAFETY FIRST

terraphase engineering

CLIENT: LAUSD

PROJECT: 5101 E 6th Street, Los Angeles, CA 90022

PROJECT NUMBER: S030.056.004

Site Location

FIGURE 1

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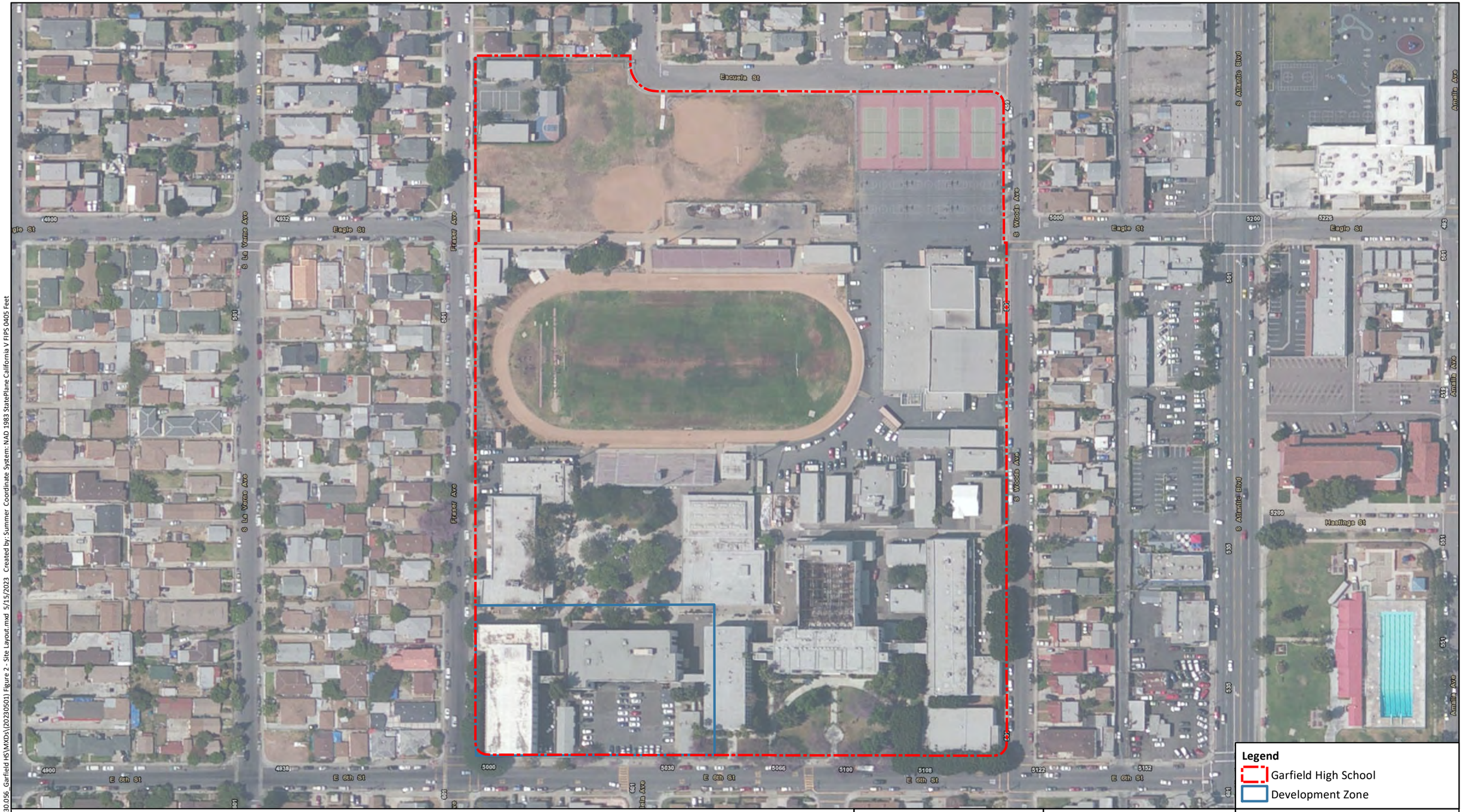

Legend
- Garfield High School
- Development Zone

Aerial Imagery Source: Nearmap January 26, 2023

0 70 140 280 Feet

1 inch = 140 feet

N

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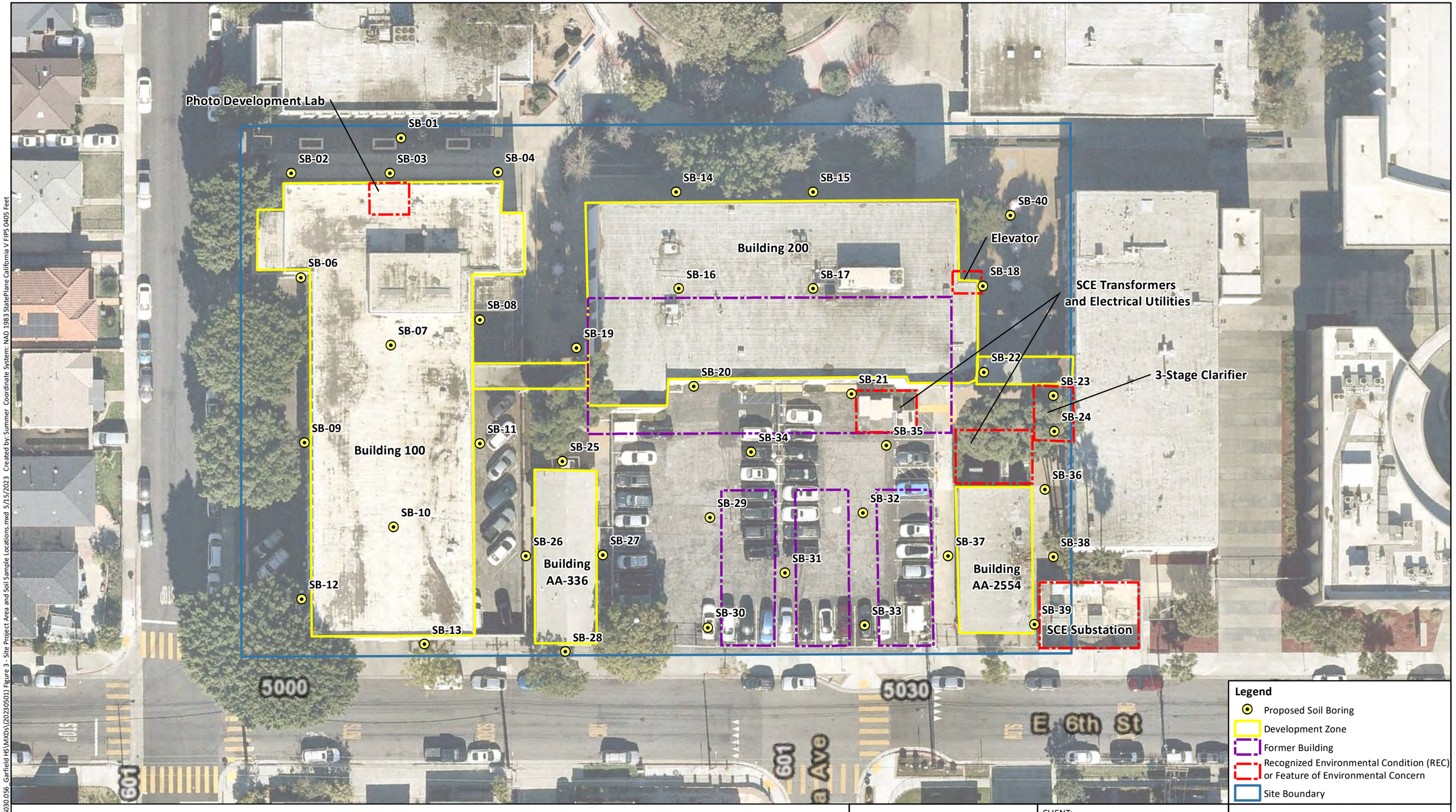
terraphase engineering

CLIENT:	LAUSD
PROJECT:	5101 E 6th Street, Los Angeles, CA 90022
PROJECT NUMBER:	S030.056.004

Site Layout

FIGURE 2

File: N:\GIS\Prj\S030_LAUSD\S030.056_Garfield HS\MXDs\(20230501) Figure 2 - Site Layout.mxd 5/15/2023 Created by: Summer Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet



Aerial Imagery Source: Nearmap January 26, 2023

0 20 40 80 Feet

1 inch = 40 feet

N

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CLIENT:	LAUSD
PROJECT:	5101 E 6th Street, Los Angeles, CA 90022
PROJECT NUMBER:	S030.056.004

Site Project Area and Soil Sample Locations

FIGURE 3

File: N:\GIS\Prj\S030 LAUSD\S030.056 Garfield HS\MXDs\(20230501) Figure 3 - Site Project Area and Soil Sample Locations.mxd 5/15/2023 Created by: Summer Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet

Legend

- Soil Boring
- Site Boundary

Screening Criteria:

CA Specific Arsenic Background = 12 mg/kg

DTSC-SLs Soil Res = 80 mg/kg

Aerial Imagery Source: Nearmap January 26, 2023

0 20 40 80 Feet

1 inch = 40 feet

N

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CLIENT:	LAUSD
PROJECT:	5101 E 6th Street, Los Angeles, CA 90022
PROJECT NUMBER:	S030.056.004

Arsenic and Lead Concentrations Exceeding Screening Criteria

FIGURE 4

File: N:\GIS\Prj\S030 LAUSD\S030.056_Garfield HS\MXDs\(20230515) Figure 4 - Arsenic and Lead Soil Exceedances.mxd 5/25/2023 Created by: Summer Coordinate System: NAD 1983 StatePlane California V FIPS 0405 Feet

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Appendix A

PEA-E Work Notice

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Los Angeles Unified School District

Office of Environmental Health and Safety

ALBERTO M. CARVALHO
Superintendent

CARLOS A. TORRES
Director, Environmental Health and Safety

JENNIFER FLORES
Deputy Director, Environmental Health and Safety

March 17, 2023

TO: Neighbors and Community Members of
James A. Garfield High School

FROM: Los Angeles Unified School District Office
of Environmental Health and Safety

REGARDING: Preliminary Environmental Assessment
Garfield High School, Los Angeles, California

The Los Angeles Unified School District (LAUSD) - Office of Environmental Health and Safety (OEHS) would like to provide you with advance notice for a Preliminary Environmental Assessment (PEA) that will be conducted within the boundaries of the James A. Garfield High School, located at 5101 East 6th St, East Los Angeles, CA 90022. This PEA is one of the first steps for the overall major modernization project planned for the high school.

A licensed contractor, working on behalf of LAUSD, will perform the PEA field activities under the oversight of the LAUSD-OEHS. The PEA will consist of a subsurface investigation around the footprints of existing buildings that will be removed, where historical structures were present, or where other recognized environmental concerns were identified. Soil samples collected will be analyzed for various chemicals of concern. If necessary, soil cleanup will be performed prior to construction activities to protect students, faculty, and staff.

Fieldwork will be conducted intermittently and is anticipated to be completed over multiple days in April 2023. Intrusive fieldwork, such as coring of the concrete or asphalt pavement and soil sampling will only be conducted on school holidays. Fieldwork will be conducted at the Site between the hours of 7AM and 5 PM.

The results of the PEA investigation will be submitted to LAUSD-OEHS in a report for review. The report will include an assessment of whether any chemicals of concern are present in soil at concentrations that would require further delineation, or if a response action will be necessary before the Site is cleared for construction activities. When the OEHS's review is complete, OEHS will issue an official determination with regard to the assessment.

If you have any questions concerning the upcoming environmental investigation or other related activities for the proposed project, please contact Drew Williams, LAUSD-OEHS, Site Assessment Project Manager at (213) 241-4122 (email at cp-drew.williams@lausd.net).

Los Angeles Unified School District
Office of Environmental Health and Safety

ALBERTO M. CARVALHO
Superintendent

CARLOS A. TORRES
Director, Environmental Health and Safety

JENNIFER FLORES
Deputy Director, Environmental Health and Safety

17 de Marzo de 2023

PARA: Vecinos y Miembros de la Comunidad de Escuela Secundaria James A. Garfield

DE: Los Angeles Unified School District
Office of Environmental Health and Safety

EN LO QUE RESPECTA: Evaluación Ambiental Preliminar de Garfield High School, Los Ángeles, California

Los Angeles Unified School District (LAUSD) - Office of Environmental Health and Safety (OEHS) desea proporcionarle un aviso anticipado para una Evaluación Ambiental Preliminar (EAP) que se llevará a cabo dentro del límites del James A. Garfield High School, ubicada en 5101 East 6th St, East Los Angeles, CA 90022. Este EAP es uno de los primeros pasos para el gran proyecto general de modernización planeado para la escuela secundaria.

Un contratista con licencia, que trabaje en nombre de LAUSD, realizará las actividades de campo de EAP bajo la supervisión del LAUSD-OEHS. El EAP consistirá en una investigación del subsuelo alrededor de las huellas de los edificios existentes que se eliminarán, donde las estructuras históricas estaban presentes o donde se identificaron otras preocupaciones ambientales reconocidas. Las muestras de suelo recolectadas se analizarán para detectar varios productos químicos preocupantes. Si es necesario, se realizará la limpieza del suelo antes de las actividades de construcción para proteger a los estudiantes, profesores y personal.

El trabajo de campo se llevará a cabo de forma intermitente y se prevé que se complete durante varios días en abril de 2023. El trabajo de campo intrusivo, como la extracción de muestras del concreto o el pavimento de asfalto y el muestreo del suelo, solo se llevarán a cabo durante las vacaciones escolares. El trabajo de campo se llevará a cabo en el sitio entre las 7 a.m. y las 5 p.m.

Los resultados de la investigación de EAP se presentarán a LAUSD-OEHS en un informe para su revisión. El informe incluirá una evaluación de sustancias químicas preocupantes en el suelo en concentraciones que requerirían una mayor delineación, o si será necesaria una acción de respuesta antes de la El sitio está despejado para actividades de construcción. Cuando se complete la revisión de la OEHS, la OEHS emitirá una determinación oficial con respecto a la evaluación.

Si tiene alguna pregunta sobre la próxima investigación ambiental u otras actividades relacionadas con el proyecto propuesto, comuníquese con Drew Williams, LAUSD-OEHS, Gerente de Proyectos de Evaluación del Sitio al (213) 241-4122 (correo electrónico a cp-drew.williams@lausd.net).

Appendix B

Photographic Log

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Photograph 1:

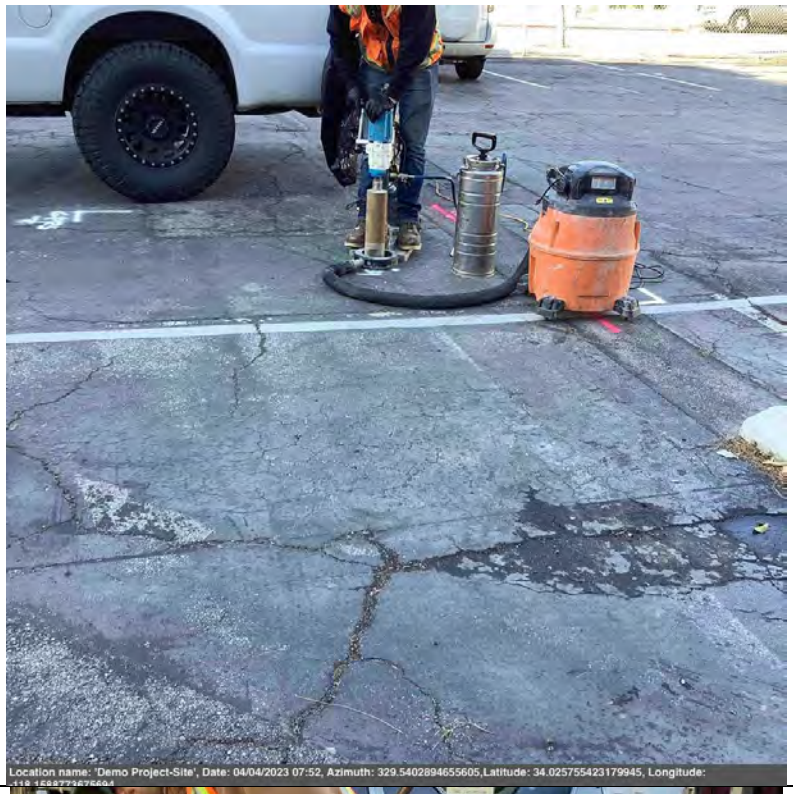
Utility locating around boring SB-38 uncovered an electrical and unknown utility line running parallel to one another.

Date: April 4, 2023

Photograph 2:

Utility clearance and placement of SB-38 away from utility nest behind building

Date: April 4, 2023



Photograph 3:

Subcontractor coring SB-30 in teacher parking lot.

Date: April 4, 2023

Photograph 4:

Advancement of boring SB-29 via hand auger and soil sample collections.

Date: April 4, 2023

terraphase engineering

Client: LAUSD

Project: Garfield High School PEA-E, 5101 E 6th Street, East Los Angeles, California

Project Number: S030.056.003

Photo Log

Photograph 5:

Subcontractor conducting a triple bucket decontamination of hand auger equipment prior to advancing new boring location.

Date: April 4, 2023

Photograph 6:

Concrete patch with black dye to match the surrounding surface of boring location SB-29.

Date: April 4, 2023

Photograph 7:

Opened single chamber clarifier to measure depth to be 5 feet below ground surface.

Date: April 5, 2023

Photograph 8:

Opened one of three chamber clarifiers to measure depth at 7 feet below ground surface.

Date: April 5, 2023

Photograph 9:

Advancement of boring location SB-24 using Geoprobe Direct Push technology.

Date: April 5, 2023

Photograph 10:

Top 5 feet from soil boring SB-24.

Date: April 5, 2023

Photograph 11:

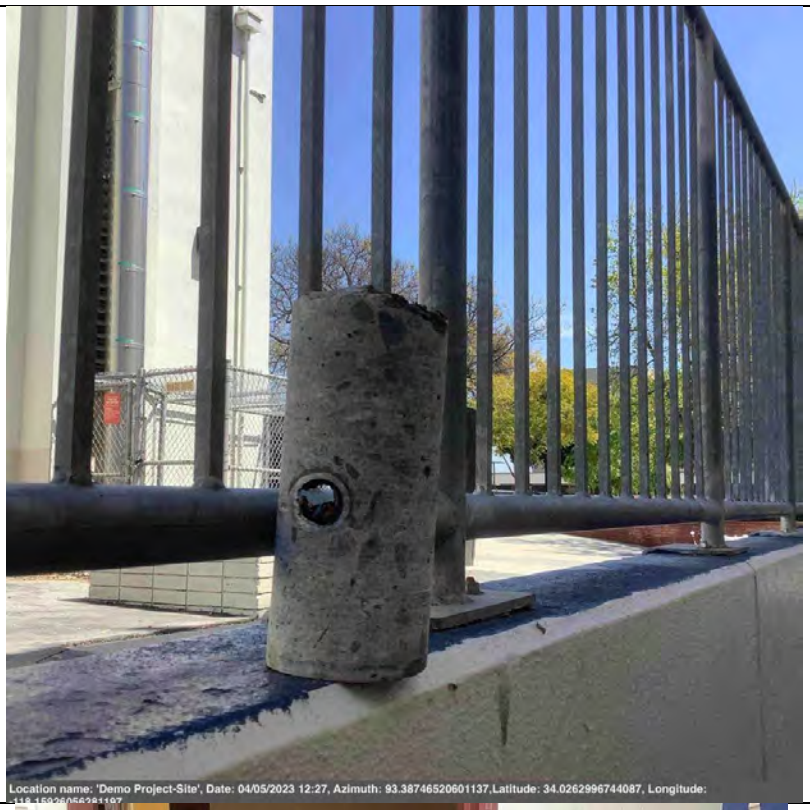
Utilizing tremie pipe to backfill SB-23 boring with cement grout.

Date: April 5, 2023

Photograph 12:

Top view of cored location SB-05 that show clear strike of an electrical conduit.

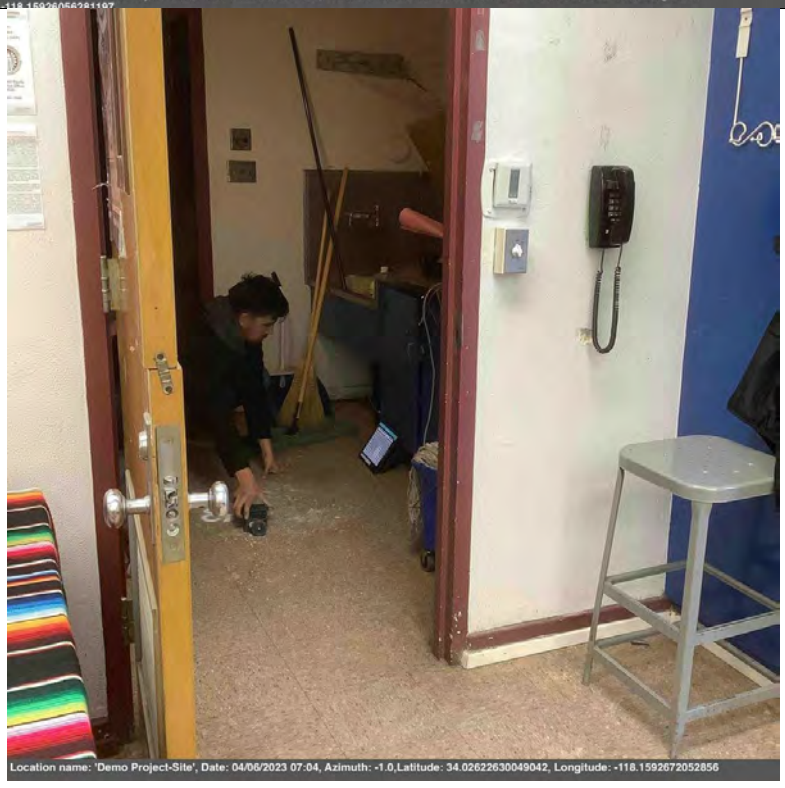
Date: April 5, 2023



Photograph 13:

Side view of SB-05 core showing cut electrical conduit.

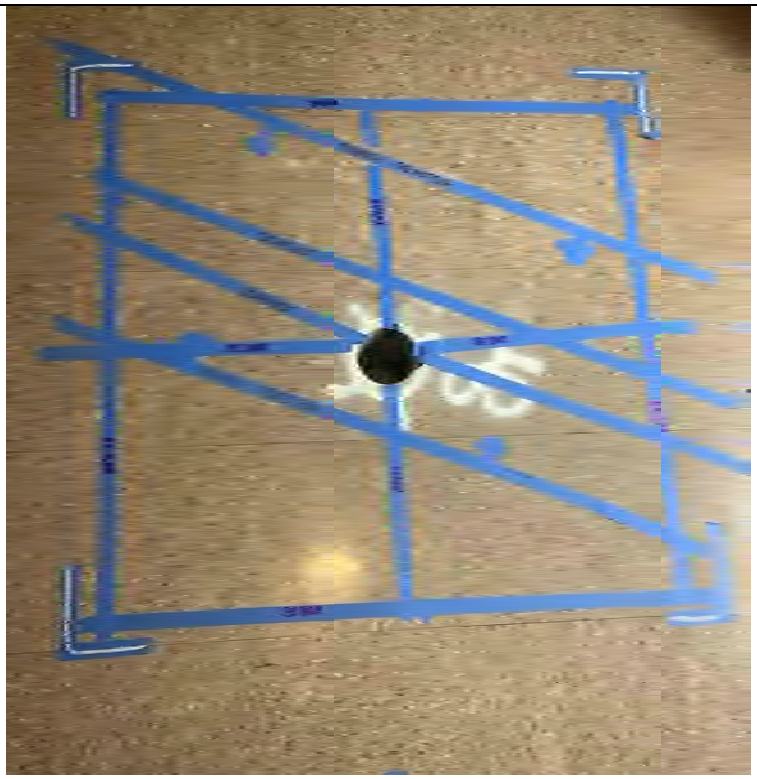
Date: April 5, 2023



Photograph 14:

Resurveying of boring location SB-05 using a concrete scanner to attempt to find missed utilities and rebar.

Date: April 6, 2023



Photograph 15:

Utility locating of rebar pattern, potential trench, and two conduits running parallel to another surrounding SB-05.

Date: April 6, 2023

Photograph 16:

Repaired utilities line, ready for concrete backfill.

Date: April 10, 2023

Photograph 17:

Backfilling SB-05 with concrete until flush with surface.

Date: April 10, 2023

Photograph 18:

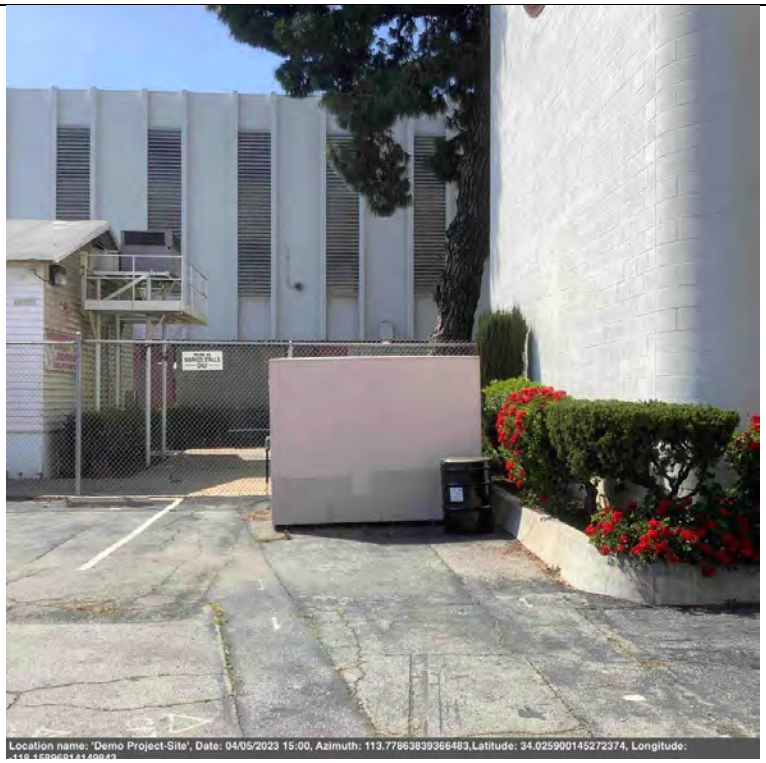
The concrete backfill of SB-05 is flush with surface.

Date: April 10, 2023

Photograph 19:

Pending Drum label on singular onsite soil and decontamination water drum.

Date: April 6, 2023



Photograph 20:

Drum stored inside teacher parking lot near trash containers.

Date: April 6, 2023

Appendix C

Boring Logs

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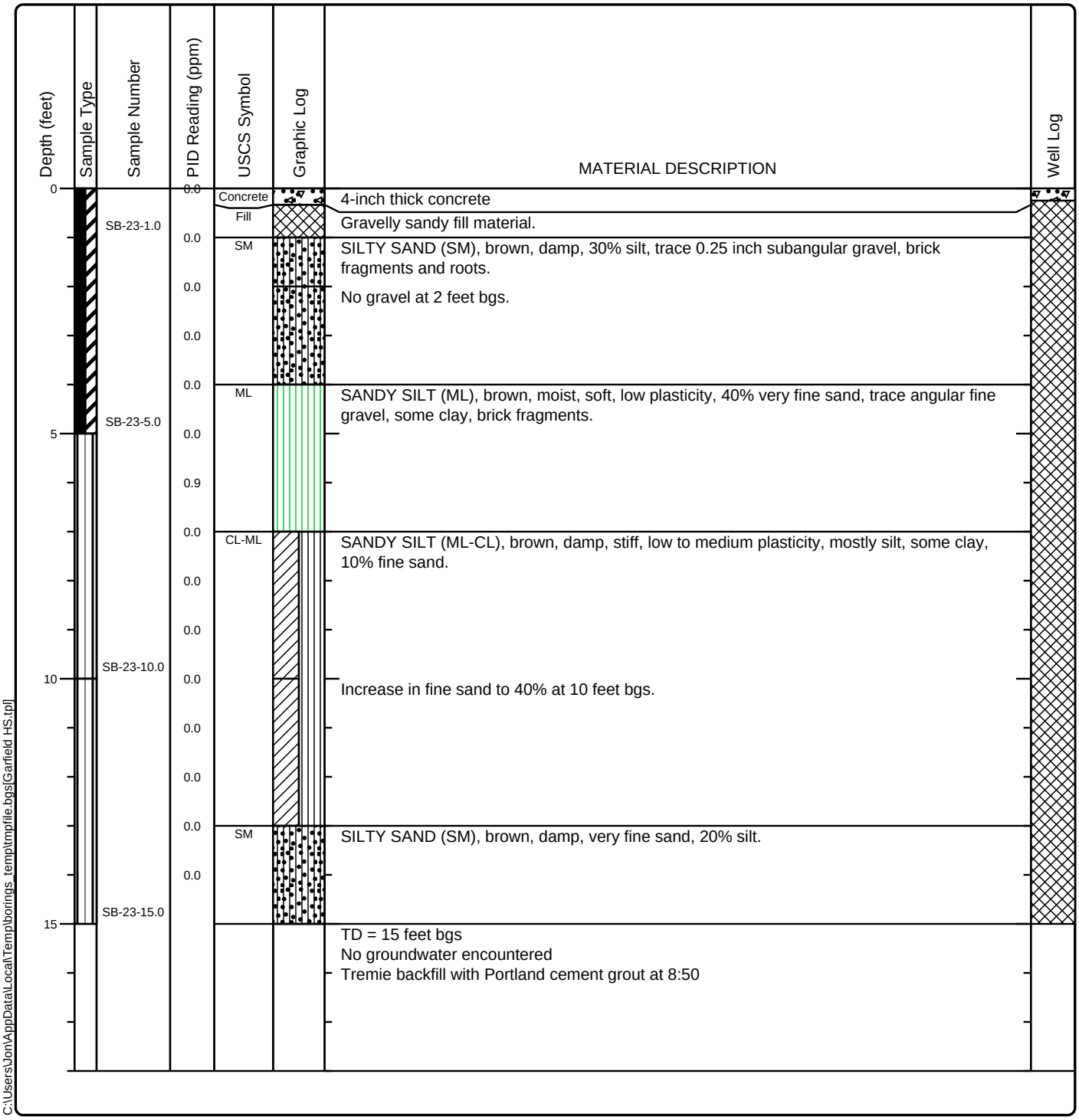
Project: **Garfield High School PEA-E** Project Location: **5101 E 6th Street, East Los Angeles, CA** Project Number: **S030.056.003**	Log of Boring SB-23 **Sheet 1 of 1**

Date(s) Drilled **4-5-2023**	Logged By **Julianna Cativo**	Checked By **Darren Croteau, PG 7495**
Drilling Method **Hand Auger (HA), Direct Push Technology (DPT)**	Drill Bit Size/Type **3.25-inch HA, 2.25-inch dual tube**	Total Depth of Borehole **15 feet bgs**
Drill Rig Type **Geoprobe 7822DT**	Drilling Contractor **Mellennium**	Approximate Surface Elevation **Not measured**
Groundwater Level and Date Measured **Not encountered**	Sampling Method(s) **Hand Auger, Dual Tube**	Hammer Data **Not applicable**
Borehole Backfill **Cement grout**	Location **West of building 300, influent end of three-stage clarifier**	



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Project: **Garfield High School PEA-E**
Project Location: **5101 E 6th Street, East Los Angeles, CA**
Project Number: **S030.056.003**

Key to Log of Boring
Sheet 1 of 1

1 Depth (feet)	2 Sample Type	3 Sample Number	4 PID Reading (ppm)	5 USCS Symbol	6 Graphic Log	7 MATERIAL DESCRIPTION	8 Well Log

COLUMN DESCRIPTIONS

1 Depth (feet): Depth in feet below the ground surface.
2 Sample Type: Type of soil sample collected at the depth interval shown.
3 Sample Number: Sample identification number.
4 PID Reading (ppm): The reading from a photo-ionization detector, in parts per million. CB denotes sample reading was taken in a closed (sealed) Ziplock(TM) bag. NB denotes the reading of the sample was taken with no bag, in the opening in coring sleeve. This semi-closed space has minor influences from ambient air. OH indicates a reading taken from the open hole.
5 USCS Symbol: USCS symbol of the subsurface material.
6 Graphic Log: Graphic depiction of the subsurface material encountered.
7 MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.
8 Well Log: Graphical representation of well installed upon completion of drilling and sampling.

FIELD AND LABORATORY TEST ABBREVIATIONS

CHEM: Chemical tests to assess corrosivity
COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent
PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)

MATERIAL GRAPHIC SYMBOLS

SILTY CLAY (CL-ML)
Portland Cement Concrete
AF
Grout
SILT, SILT w/SAND, SANDY SILT (ML)
Silty SAND (SM)

TYPICAL SAMPLER GRAPHIC SYMBOLS

Auger sampler
2.5-inch-OD dual tube sampler with 1-inch-OD acetate sleeve

OTHER GRAPHIC SYMBOLS

Water level (at time of drilling, ATD)
Water level (after waiting, AW)
Minor change in material properties within a stratum
Inferred/gradational contact between strata
Queried contact between strata

GENERAL NOTES

1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

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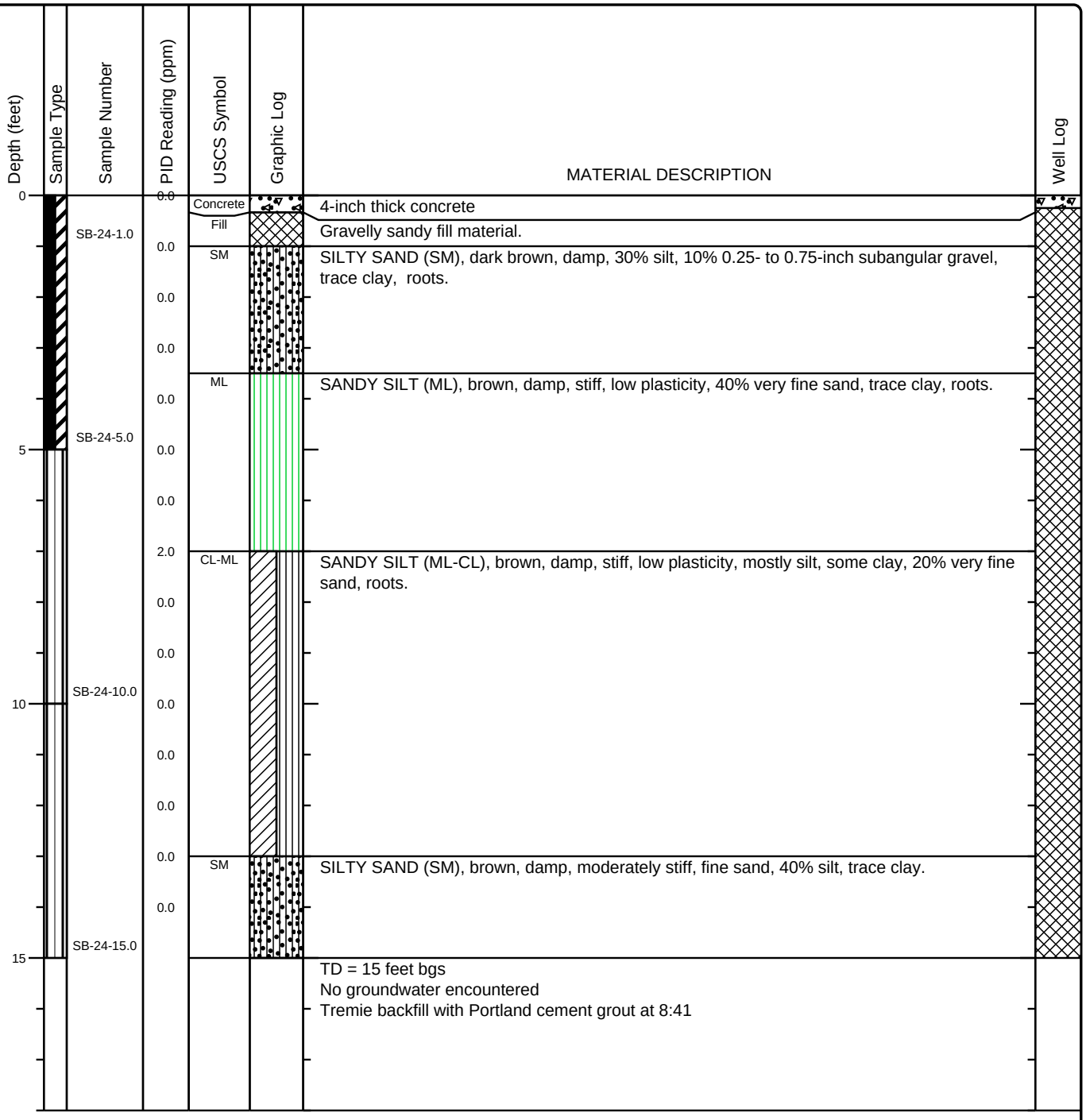
Project: **Garfield High School PEA-E** Project Location: **5101 E 6th Street, East Los Angeles, CA** Project Number: **S030.056.003**	Log of Boring SB-24 **Sheet 1 of 1**

Date(s) Drilled **4-5-2023**	Logged By **Julianna Cativo**	Checked By **Darren Croteau, PG 7495**
Drilling Method **Hand Auger (HA), Direct Push Technology (DPT)**	Drill Bit Size/Type **3.25-inch HA, 2.25-inch dual tube**	Total Depth of Borehole **15 feet bgs**
Drill Rig Type **Geoprobe 7822DT**	Drilling Contractor **Mellennium**	Approximate Surface Elevation **Not measured**
Groundwater Level and Date Measured **Not encountered**	Sampling Method(s) **Hand Auger, Dual Tube**	Hammer Data **Not applicable**
Borehole Backfill **Cement grout**	Location **West of building 300, effluent end of three-stage clarifier**	



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Project: **Garfield High School PEA-E**
Project Location: **5101 E 6th Street, East Los Angeles, CA**
Project Number: **S030.056.003**

Key to Log of Boring
Sheet 1 of 1

1 Depth (feet)	2 Sample Type	3 Sample Number	4 PID Reading (ppm)	5 USCS Symbol	6 Graphic Log	7 MATERIAL DESCRIPTION	8 Well Log

COLUMN DESCRIPTIONS

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3 Sample Number: Sample identification number.
4 PID Reading (ppm): The reading from a photo-ionization detector, in parts per million. CB denotes sample reading was taken in a closed (sealed) Ziplock(TM) bag. NB denotes the reading of the sample was taken with no bag, in the opening in coring sleeve. This semi-closed space has minor influences from ambient air. OH indicates a reading taken from the open hole.
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COMP: Compaction test
CONS: One-dimensional consolidation test
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UC: Unconfined compressive strength test, Qu, in ksf
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MATERIAL GRAPHIC SYMBOLS

SILTY CLAY (CL-ML)
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Grout
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Silty SAND (SM)

TYPICAL SAMPLER GRAPHIC SYMBOLS

Auger sampler
2.5-inch-OD dual tube sampler with 1-inch-OD acetate sleeve

OTHER GRAPHIC SYMBOLS

Water level (at time of drilling, ATD)
Water level (after waiting, AW)
Minor change in material properties within a stratum
Inferred/gradational contact between strata
Queried contact between strata

GENERAL NOTES

1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

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Appendix D

Laboratory Analytical Reports

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Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

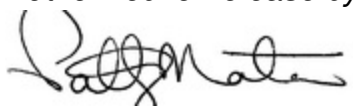
Lab Job Number: 482773
Report Level: II
Report Date: 04/21/2023

Analytical Report *prepared for:*

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - LAUSD-GARFIELD HS, S030.056.003

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #: Project No: Location: Date Received:	482773 LAUSD SCHOOL LAUSD-GARFIELD HS, S030.056.003 04/04/23

Sample ID	Lab ID	Collected	Matrix
SB-06-1.0	482773-001	04/04/23 14:05	Soil
SB-06-3.0	482773-002	04/04/23 14:10	Soil
SB-06-5.0	482773-003	04/04/23 14:12	Soil
SB-07-1.0	482773-004	04/04/23 13:37	Soil
SB-07-3.0	482773-005	04/04/23 13:55	Soil
SB-07-5.0	482773-006	04/04/23 14:11	Soil
SB-08-1.0	482773-007	04/04/23 13:33	Soil
SB-08-3.0	482773-008	04/04/23 13:36	Soil
SB-08-5.0	482773-009	04/04/23 13:39	Soil
SB-09-1.0	482773-010	04/04/23 14:18	Soil
SB-09-3.0	482773-011	04/04/23 14:19	Soil
SB-09-5.0	482773-012	04/04/23 14:22	Soil
SB-10-1.0	482773-013	04/04/23 14:22	Soil
SB-10-3.0	482773-014	04/04/23 14:29	Soil
SB-10-5.0	482773-015	04/04/23 14:33	Soil
SB-11-1.0	482773-016	04/04/23 13:22	Soil
SB-11-3.0	482773-017	04/04/23 13:25	Soil
SB-11-5.0	482773-018	04/04/23 13:28	Soil
SB-12-1.0	482773-019	04/04/23 14:25	Soil
SB-12-3.0	482773-020	04/04/23 14:27	Soil
SB-12-5.0	482773-021	04/04/23 14:30	Soil
SB-16-1.0	482773-022	04/04/23 10:29	Soil
SB-16-3.0	482773-023	04/04/23 10:35	Soil
SB-16-5.0	482773-024	04/04/23 10:40	Soil
SB-17-1.0	482773-025	04/04/23 10:25	Soil
SB-17-3.0	482773-026	04/04/23 10:30	Soil

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #: Project No: Location: Date Received:	482773 LAUSD SCHOOL LAUSD-GARFIELD HS, S030.056.003 04/04/23

Sample ID	Lab ID	Collected	Matrix
SB-17-5.0	482773-027	04/04/23 10:35	Soil
SB-19-1.0	482773-028	04/04/23 11:04	Soil
SB-19-3.0	482773-029	04/04/23 11:11	Soil
SB-19-5.0	482773-030	04/04/23 11:16	Soil
SB-20-1.0	482773-031	04/04/23 10:11	Soil
SB-20-3.0	482773-032	04/04/23 10:14	Soil
SB-20-5.0	482773-033	04/04/23 10:17	Soil
SB-21-1.0	482773-034	04/04/23 09:33	Soil
SB-21-3.0	482773-035	04/04/23 09:57	Soil
SB-21-5.0	482773-036	04/04/23 10:02	Soil
SB-25-1.0	482773-037	04/04/23 11:06	Soil
SB-25-3.0	482773-038	04/04/23 11:09	Soil
SB-25-5.0	482773-039	04/04/23 11:11	Soil
SB-26-1.0	482773-040	04/04/23 12:36	Soil
SB-26-3.0	482773-041	04/04/23 12:39	Soil
SB-26-5.0	482773-042	04/04/23 12:41	Soil
SB-27-1.0	482773-043	04/04/23 11:27	Soil
SB-27-3.0	482773-044	04/04/23 11:30	Soil
SB-27-5.0	482773-045	04/04/23 11:34	Soil
SB-29-1.0	482773-046	04/04/23 07:44	Soil
SB-29-3.0	482773-047	04/04/23 07:53	Soil
SB-29-5.0	482773-048	04/04/23 07:57	Soil
SB-30-1.0	482773-049	04/04/23 08:05	Soil
SB-30-3.0	482773-050	04/04/23 08:10	Soil
SB-30-5.0	482773-051	04/04/23 08:15	Soil
SB-31-1.0	482773-052	04/04/23 08:28	Soil

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #: Project No: Location: Date Received:	482773 LAUSD SCHOOL LAUSD-GARFIELD HS, S030.056.003 04/04/23

Sample ID	Lab ID	Collected	Matrix
SB-31-3.0	482773-053	04/04/23 08:32	Soil
SB-31-5.0	482773-054	04/04/23 08:35	Soil
SB-32-1.0	482773-055	04/04/23 09:20	Soil
SB-32-3.0	482773-056	04/04/23 09:24	Soil
SB-32-5.0	482773-057	04/04/23 09:29	Soil
SB-33-1.0	482773-058	04/04/23 08:55	Soil
SB-33-3.0	482773-059	04/04/23 09:01	Soil
SB-33-5.0	482773-060	04/04/23 09:04	Soil
SB-34-1.0	482773-061	04/04/23 10:07	Soil
SB-34-3.0	482773-062	04/04/23 10:10	Soil
SB-34-5.0	482773-063	04/04/23 10:13	Soil
SB-35-1.0	482773-064	04/04/23 09:43	Soil
SB-35-3.0	482773-065	04/04/23 09:46	Soil
SB-35-5.0	482773-066	04/04/23 09:51	Soil
SB-37-1.0	482773-067	04/04/23 09:24	Soil
SB-37-3.0	482773-068	04/04/23 09:31	Soil
SB-37-5.0	482773-069	04/04/23 09:37	Soil
SB-13-1.0	482773-070	04/04/23 12:56	Soil
SB-13-3.0	482773-071	04/04/23 12:59	Soil
SB-13-5.0	482773-072	04/04/23 13:05	Soil
EB-230404	482773-073	04/04/23 14:50	Water

ENTHALPY ANALYTICAL

Case Narrative

Terraphase Engineering	Lab Job Number: 482773
18401 Von Karman Ave, Suite #410	Project No: LAUSD SCHOOL
Irvine, CA 92612	Location: LAUSD-GARFIELD HS, S030.056.003
Darren Croteau	Date Received: 04/04/23

This data package contains sample and QC results for forty eight soil samples and one water sample, requested for the above referenced project on 04/04/23. The samples were received cold and intact. The Asbestos test for the Equipment blank sample was cancelled per client request. An additional test for PCBs for sample SB-35-1.0 was performed per client request. Revised report to include STLC and TCLP test results as requested.

Pesticides (EPA 8081A) Soil:

- High recovery was observed for 4,4'-DDD in the LCS for batch 311163; this analyte was not detected at or above the RL in the associated samples.
- High recoveries were observed for many analytes in the MS/MSD for batch 311163; the parent sample was not a project sample, and these analytes were not detected at or above the RL in the associated samples. High RPD was observed for methoxychlor; this analyte was not detected at or above the RL in the associated samples.
- High recovery was observed for methoxychlor in the LCS for batch 311252; this analyte was not detected at or above the RL in the associated samples.
- High surrogate recoveries were observed for decachlorobiphenyl in SB-10-1.0 (lab # 482773-013) and the MS/MSD for batch 311163; the corresponding TCMX surrogate recoveries were within limits.
- The presence of selected compounds were confirmed by second column, but the relative percent difference (RPD) between columns exceeded 40%. Affected sample results were flagged with "C" qualifiers.
- No other analytical problems were encountered.

Metals (EPA 6010B, EPA 6020, and EPA 7470A) Water:

- High response was observed for thallium in the CCV analyzed 04/06/23 15:21; affected data was qualified with "b".
- High response was observed for thallium in the CCV analyzed 04/06/23 16:18; affected data was qualified with "b".
- Barium, chromium, and zinc were detected between the MDL and the RL in the method blank for batch 311111; these analytes were not detected in the sample at or above the RL. Sample results between the MDL and RL were "B" flagged.
- Lead was detected between the MDL and the RL in the method blank for batch 311326; this analyte was not detected in the sample at or above the RL. Associated sample results between the MDL and RL were "B" flagged.
- No other analytical problems were encountered.

Metals (EPA 6010B, EPA 6020, and EPA 7471A) Soil:

- Low recoveries were observed for antimony in the MS/MSD of SB-11-1.0 (lab # 482773-016); the associated RPD was within limits.
- Low recovery was observed for arsenic in the MS of SB-13-1.0 (lab # 482773-070); the LCS was within limits, and the associated RPD was within limits. High recovery was observed for lead in the MSD of SB-13-1.0 (lab # 482773-070); the LCS was within limits, and the associated RPD was within limits.
- Low recovery was observed for antimony in the MSD for batch 311121; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- High RPD was observed for lead in the MS/MSD for batch 311129; the parent sample was not a project sample.
- Chromium and zinc were detected between the MDL and the RL in the method blank for batch 311121; these analytes were detected in the sample at a level at least 10 times that of the blank.
- Lead was detected between the MDL and the RL in the method blank for batch 311135; this analyte was detected in samples at a level at least 10 times that of the blank. Sample results between the MDL and RL were "B" flagged.
- Chromium, selenium, and zinc were detected between the MDL and the RL in the method blank for batch 311205; these analytes were either not detected in samples at or above the RL, or detected at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Asbestos by PLM (Asbestos PLM):

AmeriSci in Carson, CA performed the analysis (see sublab report section for certifications). Please see the AmeriSci case narrative.

ENTHALPY ANALYTICAL

Detection Summary

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 482773
Project No: LAUSD SCHOOL
Location: LAUSD-GARFIELD HS, S030.056.003
Date Received: 04/04/23

Sample ID: SB-06-1.0 **Lab ID: 482773-001** **Collected: 04/04/23 14:05**
Matrix: Soil

482773-001 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**130**		mg/Kg	0.99	0.12
Beryllium	**0.54**		mg/Kg	0.50	0.030
Cadmium	**0.40**	J	mg/Kg	0.50	0.035
Chromium	**32**		mg/Kg	0.99	0.094
Cobalt	**11**		mg/Kg	0.50	0.11
Copper	**21**		mg/Kg	0.99	0.25
Molybdenum	**0.67**	J	mg/Kg	0.99	0.18
Nickel	**23**		mg/Kg	0.99	0.18
Vanadium	**48**		mg/Kg	0.99	0.080
Zinc	**60**		mg/Kg	5.0	0.17
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**6.4**		mg/Kg	0.97	0.20
Lead	**5.7**		mg/Kg	0.49	0.089
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.034**	J	mg/Kg	0.16	0.0056

Sample ID: SB-06-3.0 **Lab ID: 482773-002** **Collected: 04/04/23 14:10**
Matrix: Soil

482773-002 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.3**		mg/Kg	0.96	0.20
Lead	**5.5**		mg/Kg	0.48	0.066

Sample ID: SB-07-1.0 **Lab ID: 482773-004** **Collected: 04/04/23 13:37**
Matrix: Soil

482773-004 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.98	0.20
Lead	**6.5**		mg/Kg	0.49	0.089

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-07-3.0 **Lab ID: 482773-005** **Collected: 04/04/23 13:55**
Matrix: Soil

482773-005 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.2**		mg/Kg	0.96	0.20
Lead	**7.0**		mg/Kg	0.48	0.088

Sample ID: SB-08-1.0 **Lab ID: 482773-007** **Collected: 04/04/23 13:33**
Matrix: Soil

482773-007 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.2**		mg/Kg	0.97	0.20
Lead	**11**		mg/Kg	0.49	0.089

Sample ID: SB-08-3.0 **Lab ID: 482773-008** **Collected: 04/04/23 13:36**
Matrix: Soil

482773-008 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**6.0**		mg/Kg	0.98	0.20
Lead	**5.8**		mg/Kg	0.49	0.089

Sample ID: SB-09-1.0 **Lab ID: 482773-010** **Collected: 04/04/23 14:18**
Matrix: Soil

482773-010 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.7**		mg/Kg	0.95	0.26
Lead	**5.7**		mg/Kg	0.48	0.065

Sample ID: SB-09-3.0 **Lab ID: 482773-011** **Collected: 04/04/23 14:19**
Matrix: Soil

482773-011 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.96	0.27
Lead	**5.5**		mg/Kg	0.48	0.066

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

Detection Summary

Sample ID: SB-10-1.0	Lab ID: 482773-013	Collected: 04/04/23 14:22
	Matrix: Soil	

482773-013 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.7**		mg/Kg	0.96	0.27
Lead	**7.3**		mg/Kg	0.48	0.066

Sample ID: SB-10-3.0	Lab ID: 482773-014	Collected: 04/04/23 14:29
	Matrix: Soil	

482773-014 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.7**		mg/Kg	0.96	0.27
Lead	**6.0**		mg/Kg	0.48	0.066

Sample ID: SB-11-1.0	Lab ID: 482773-016	Collected: 04/04/23 13:22
	Matrix: Soil	

482773-016 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**110**		mg/Kg	0.95	0.11
Beryllium	**0.49**		mg/Kg	0.48	0.029
Cadmium	**0.31**	J	mg/Kg	0.48	0.034
Chromium	**26**		mg/Kg	0.95	0.091
Cobalt	**9.3**		mg/Kg	0.48	0.10
Copper	**19**		mg/Kg	0.95	0.24
Molybdenum	**0.39**	J	mg/Kg	0.95	0.18
Nickel	**18**		mg/Kg	0.95	0.18
Vanadium	**46**		mg/Kg	0.95	0.077
Zinc	**58**		mg/Kg	4.8	0.16
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.5**		mg/Kg	0.95	0.26
Lead	**5.7**		mg/Kg	0.48	0.065
Thallium	**0.20**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.19**		mg/Kg	0.14	0.0052

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Detection Summary

Sample ID: SB-11-3.0 **Lab ID: 482773-017** **Collected: 04/04/23 13:25**
Matrix: Soil

482773-017 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.6**		mg/Kg	0.97	0.27
Lead	**5.7**		mg/Kg	0.49	0.066

Sample ID: SB-12-1.0 **Lab ID: 482773-019** **Collected: 04/04/23 14:25**
Matrix: Soil

482773-019 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**140**		mg/Kg	0.97	0.11
Beryllium	**0.57**		mg/Kg	0.49	0.029
Cadmium	**0.40**	J	mg/Kg	0.49	0.035
Chromium	**36**		mg/Kg	0.97	0.092
Cobalt	**11**		mg/Kg	0.49	0.11
Copper	**23**		mg/Kg	0.97	0.24
Molybdenum	**0.81**	J	mg/Kg	0.97	0.18
Nickel	**26**		mg/Kg	0.97	0.18
Vanadium	**54**		mg/Kg	0.97	0.078
Zinc	**65**		mg/Kg	4.9	0.16
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.3**		mg/Kg	0.95	0.26
Lead	**5.6**		mg/Kg	0.48	0.065
Thallium	**0.21**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.025**	J	mg/Kg	0.15	0.0055

Sample ID: SB-12-3.0 **Lab ID: 482773-020** **Collected: 04/04/23 14:27**
Matrix: Soil

482773-020 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.99	0.27
Lead	**5.3**		mg/Kg	0.50	0.068

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-16-1.0	Lab ID: 482773-022	Collected: 04/04/23 10:29
	Matrix: Soil	

482773-022 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.8**		mg/Kg	0.96	0.27
Lead	**28**		mg/Kg	0.48	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**4.8**	J	ug/Kg	5.0	1.4
4,4'-DDE	**4.1**	J	ug/Kg	5.0	1.4
4,4'-DDD	**2.7**	J	ug/Kg	5.0	1.1
4,4'-DDT	**8.8**		ug/Kg	5.0	1.4
Chlordane (Technical)	**140**		ug/Kg	50	11

Sample ID: SB-16-3.0	Lab ID: 482773-023	Collected: 04/04/23 10:35
	Matrix: Soil	

482773-023 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.9**		mg/Kg	0.97	0.27
Lead	**8.9**		mg/Kg	0.49	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**2.3**	J	ug/Kg	5.0	1.4
4,4'-DDE	**1.9**	J	ug/Kg	5.0	1.4
4,4'-DDT	**3.2**	J	ug/Kg	5.0	1.4
Chlordane (Technical)	**34**	J	ug/Kg	50	11

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-17-1.0	Lab ID: 482773-025	Collected: 04/04/23 10:25
	Matrix: Soil	

482773-025 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.1**		mg/Kg	0.99	0.27
Lead	**20**		mg/Kg	0.50	0.068
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**3.2**	J	ug/Kg	5.0	1.4
4,4'-DDE	**7.4**		ug/Kg	5.0	1.4
4,4'-DDD	**1.7**	J	ug/Kg	5.0	1.1
4,4'-DDT	**8.8**		ug/Kg	5.0	1.4
Chlordane (Technical)	**53**		ug/Kg	50	11

Sample ID: SB-17-3.0	Lab ID: 482773-026	Collected: 04/04/23 10:30
	Matrix: Soil	

482773-026 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.1**		mg/Kg	0.96	0.27
Lead	**12**		mg/Kg	0.48	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**2.5**	J	ug/Kg	5.0	1.4
4,4'-DDE	**3.4**	J	ug/Kg	5.0	1.4
4,4'-DDT	**3.6**	J	ug/Kg	5.0	1.4
Chlordane (Technical)	**47**	J	ug/Kg	50	11

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-19-1.0	Lab ID: 482773-028	Collected: 04/04/23 11:04
	Matrix: Soil	

482773-028 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**130**		mg/Kg	0.95	0.11
Beryllium	**0.47**	J	mg/Kg	0.48	0.029
Cadmium	**0.44**	J	mg/Kg	0.48	0.034
Chromium	**30**		mg/Kg	0.95	0.091
Cobalt	**22**		mg/Kg	0.48	0.10
Copper	**23**		mg/Kg	0.95	0.24
Molybdenum	**0.60**	J	mg/Kg	0.95	0.18
Nickel	**24**		mg/Kg	0.95	0.18
Vanadium	**47**		mg/Kg	0.95	0.077
Zinc	**91**		mg/Kg	4.8	0.16
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.95	0.26
Lead	**40**		mg/Kg	0.48	0.065
Thallium	**0.18**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.15**	J	mg/Kg	0.16	0.0056
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**2.3**	J	ug/Kg	5.0	1.4
4,4'-DDE	**96**		ug/Kg	5.0	1.4
4,4'-DDT	**69**		ug/Kg	5.0	1.4
Chlordane (Technical)	**200**		ug/Kg	50	11
Method: EPA 8270C-SIM Prep Method: EPA 3546					
Fluoranthene	**4.2**	J	ug/Kg	10	1.0
Pyrene	**4.4**	J	ug/Kg	10	1.2
Benzo(a)anthracene	**2.2**	J	ug/Kg	10	0.95
Chrysene	**4.4**	J	ug/Kg	10	1.2
Benzo(b)fluoranthene	**3.9**	J	ug/Kg	10	1.2
Benzo(a)pyrene	**3.5**	J	ug/Kg	10	2.0
Indeno(1,2,3-cd)pyrene	**2.5**	J	ug/Kg	10	1.1
Benzo(g,h,i)perylene	**4.4**	J	ug/Kg	10	1.4

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-19-3.0 **Lab ID: 482773-029** **Collected: 04/04/23 11:11**
Matrix: Soil

482773-029 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.9**		mg/Kg	0.95	0.26
Lead	**5.8**		mg/Kg	0.48	0.065

Sample ID: SB-20-1.0 **Lab ID: 482773-031** **Collected: 04/04/23 10:11**
Matrix: Soil

482773-031 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.8**		mg/Kg	0.96	0.27
Lead	**15**		mg/Kg	0.48	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Chlordane (Technical)	**28**	J	ug/Kg	50	11

Sample ID: SB-20-3.0 **Lab ID: 482773-032** **Collected: 04/04/23 10:14**
Matrix: Soil

482773-032 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.6**		mg/Kg	0.97	0.27
Lead	**43**		mg/Kg	0.49	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**3.1**	J	ug/Kg	5.0	1.4
4,4'-DDE	**4.6**	J	ug/Kg	5.0	1.4
4,4'-DDT	**5.7**	C	ug/Kg	5.0	1.4
Chlordane (Technical)	**170**		ug/Kg	50	11

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Detection Summary

Sample ID: SB-21-1.0 **Lab ID: 482773-034** **Collected: 04/04/23 09:33**

482773-034 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: METHOD						
Lead	**0.75**		mg/L	0.15	0.036	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**6.6**		mg/Kg	0.99	0.27	Soil
Lead	**65**		mg/Kg	0.50	0.068	Soil
Method: EPA 8081A Prep Method: EPA 3546						
Dieldrin	**6.8**	C	ug/Kg	5.1	1.4	Soil
4,4'-DDE	**23**		ug/Kg	5.1	1.5	Soil
4,4'-DDD	**7.5**		ug/Kg	5.1	1.1	Soil
4,4'-DDT	**3.2**	C,J	ug/Kg	5.1	1.7	Soil
Chlordane (Technical)	**160**		ug/Kg	51	11	Soil
Method: EPA 8082 Prep Method: EPA 3546						
Aroclor-1254	**70**		ug/Kg	51	6.6	Soil
Aroclor-1260	**110**		ug/Kg	51	23	Soil

Sample ID: SB-21-3.0 **Lab ID: 482773-035** **Collected: 04/04/23 09:57**
Matrix: Soil

482773-035 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.8**		mg/Kg	0.95	0.26
Lead	**6.5**		mg/Kg	0.48	0.065

Sample ID: SB-25-1.0 **Lab ID: 482773-037** **Collected: 04/04/23 11:06**
Matrix: Soil

482773-037 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**13**		mg/Kg	0.95	0.26
Lead	**17**		mg/Kg	0.48	0.065

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-25-3.0	Lab ID: 482773-038	Collected: 04/04/23 11:09
	Matrix: Soil	

482773-038 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.1**		mg/Kg	0.96	0.27
Lead	**6.6**		mg/Kg	0.48	0.066

Sample ID: SB-26-1.0	Lab ID: 482773-040	Collected: 04/04/23 12:36
	Matrix: Soil	

482773-040 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**130**		mg/Kg	0.97	0.11
Beryllium	**0.56**		mg/Kg	0.49	0.029
Cadmium	**0.41**	J	mg/Kg	0.49	0.035
Chromium	**34**		mg/Kg	0.97	0.092
Cobalt	**11**		mg/Kg	0.49	0.11
Copper	**23**		mg/Kg	0.97	0.24
Molybdenum	**0.75**	J	mg/Kg	0.97	0.18
Nickel	**25**		mg/Kg	0.97	0.18
Vanadium	**50**		mg/Kg	0.97	0.078
Zinc	**67**		mg/Kg	4.9	0.16
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.0**		mg/Kg	0.95	0.26
Lead	**5.6**		mg/Kg	0.48	0.065
Thallium	**0.27**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.016**	J	mg/Kg	0.14	0.0052

Sample ID: SB-26-3.0	Lab ID: 482773-041	Collected: 04/04/23 12:39
	Matrix: Soil	

482773-041 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.2**		mg/Kg	0.98	0.27
Lead	**6.0**		mg/Kg	0.49	0.067

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-27-1.0	Lab ID: 482773-043	Collected: 04/04/23 11:27
	Matrix: Soil	

482773-043 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.98	0.27
Lead	**13**		mg/Kg	0.49	0.067

Sample ID: SB-27-3.0	Lab ID: 482773-044	Collected: 04/04/23 11:30
	Matrix: Soil	

482773-044 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.6**		mg/Kg	0.96	0.27
Lead	**5.7**		mg/Kg	0.48	0.066

Sample ID: SB-29-1.0	Lab ID: 482773-046	Collected: 04/04/23 07:44
	Matrix: Soil	

482773-046 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.1**		mg/Kg	0.99	0.27
Lead	**5.9**		mg/Kg	0.50	0.068

Sample ID: SB-29-3.0	Lab ID: 482773-047	Collected: 04/04/23 07:53
	Matrix: Soil	

482773-047 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.95	0.26
Lead	**5.6**		mg/Kg	0.48	0.065

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Detection Summary

Sample ID: SB-30-1.0	Lab ID: 482773-049	Collected: 04/04/23 08:05
	Matrix: Soil	

482773-049 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**110**		mg/Kg	0.97	0.11
Beryllium	**0.35**	J	mg/Kg	0.49	0.029
Cadmium	**0.26**	J	mg/Kg	0.49	0.035
Chromium	**18**		mg/Kg	0.97	0.092
Cobalt	**8.1**		mg/Kg	0.49	0.11
Copper	**18**		mg/Kg	0.97	0.24
Molybdenum	**0.30**	J	mg/Kg	0.97	0.18
Nickel	**12**		mg/Kg	0.97	0.18
Vanadium	**43**		mg/Kg	0.97	0.078
Zinc	**58**		mg/Kg	4.9	0.16
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**2.2**		mg/Kg	0.95	0.26
Lead	**10**		mg/Kg	0.48	0.065
Thallium	**0.15**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.073**	J	mg/Kg	0.15	0.0055
Method: EPA 8270C-SIM Prep Method: EPA 3546					
Fluoranthene	**4.5**	J	ug/Kg	10	0.99
Pyrene	**4.7**	J	ug/Kg	10	1.2
Benzo(a)anthracene	**3.2**	J	ug/Kg	10	0.94
Chrysene	**3.8**	J	ug/Kg	10	1.2
Benzo(b)fluoranthene	**4.6**	J	ug/Kg	10	1.2
Benzo(a)pyrene	**4.0**	J	ug/Kg	10	2.0
Indeno(1,2,3-cd)pyrene	**2.7**	J	ug/Kg	10	1.1
Benzo(g,h,i)perylene	**2.5**	J	ug/Kg	10	1.4

Sample ID: SB-30-3.0	Lab ID: 482773-050	Collected: 04/04/23 08:10
	Matrix: Soil	

482773-050 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.0**		mg/Kg	0.97	0.27
Lead	**5.6**		mg/Kg	0.49	0.066

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-31-1.0	Lab ID: 482773-052	Collected: 04/04/23 08:28
	Matrix: Soil	

482773-052 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.7**		mg/Kg	0.99	0.27
Lead	**9.3**		mg/Kg	0.50	0.068
Method: EPA 8081A Prep Method: EPA 3546					
4,4'-DDE	**1.7**	C,J	ug/Kg	4.9	1.4

Sample ID: SB-31-3.0	Lab ID: 482773-053	Collected: 04/04/23 08:32
	Matrix: Soil	

482773-053 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.99	0.27
Lead	**5.6**		mg/Kg	0.50	0.068

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-32-1.0	Lab ID: 482773-055	Collected: 04/04/23 09:20
	Matrix: Soil	

482773-055 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**86**		mg/Kg	0.99	0.12
Beryllium	**0.33**	J	mg/Kg	0.50	0.030
Cadmium	**0.28**	J	mg/Kg	0.50	0.035
Chromium	**16**		mg/Kg	0.99	0.094
Cobalt	**6.8**		mg/Kg	0.50	0.11
Copper	**14**		mg/Kg	0.99	0.25
Molybdenum	**0.26**	J	mg/Kg	0.99	0.18
Nickel	**10**		mg/Kg	0.99	0.18
Vanadium	**37**		mg/Kg	0.99	0.080
Zinc	**59**		mg/Kg	5.0	0.17
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**3.2**		mg/Kg	0.96	0.27
Lead	**13**		mg/Kg	0.48	0.066
Thallium	**0.18**	J	mg/Kg	0.96	0.14
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.037**	J	mg/Kg	0.17	0.0060
Method: EPA 8081A Prep Method: EPA 3546					
4,4'-DDE	**2.5**	J	ug/Kg	4.9	1.4
Method: EPA 8270C-SIM Prep Method: EPA 3546					
Fluoranthene	**3.1**	J	ug/Kg	10	1.0
Pyrene	**3.2**	J	ug/Kg	10	1.2
Benzo(a)anthracene	**2.9**	J	ug/Kg	10	0.95
Chrysene	**2.8**	J	ug/Kg	10	1.2
Benzo(b)fluoranthene	**4.0**	J	ug/Kg	10	1.2
Benzo(a)pyrene	**3.5**	J	ug/Kg	10	2.0
Indeno(1,2,3-cd)pyrene	**2.1**	J	ug/Kg	10	1.1
Benzo(g,h,i)perylene	**1.8**	J	ug/Kg	10	1.4

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-32-3.0	Lab ID: 482773-056	Collected: 04/04/23 09:24
	Matrix: Soil	

482773-056 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.96	0.27
Lead	**5.9**		mg/Kg	0.48	0.066

Sample ID: SB-33-1.0	Lab ID: 482773-058	Collected: 04/04/23 08:55
	Matrix: Soil	

482773-058 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**2.6**		mg/Kg	0.97	0.27
Lead	**9.2**		mg/Kg	0.49	0.066

Sample ID: SB-33-3.0	Lab ID: 482773-059	Collected: 04/04/23 09:01
	Matrix: Soil	

482773-059 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.95	0.26
Lead	**5.9**		mg/Kg	0.48	0.065

Sample ID: SB-34-1.0	Lab ID: 482773-061	Collected: 04/04/23 10:07
	Matrix: Soil	

482773-061 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**6.5**		mg/Kg	0.96	0.27
Lead	**29**		mg/Kg	0.48	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**3.6**	J	ug/Kg	5.0	1.4
4,4'-DDE	**5.9**		ug/Kg	5.0	1.4
4,4'-DDT	**9.9**	C	ug/Kg	5.0	1.4
Chlordane (Technical)	**180**		ug/Kg	50	11

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-34-3.0 **Lab ID: 482773-062** **Collected: 04/04/23 10:10**

482773-062 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: EPA 3010A						
Lead	**0.0054**	J	mg/L	0.015	0.0036	TCLP Leachate
Method: EPA 6010B Prep Method: METHOD						
Lead	**1.3**		mg/L	0.15	0.036	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**5.0**		mg/Kg	0.95	0.26	Soil
Lead	**110**		mg/Kg	0.48	0.065	Soil
Method: EPA 8081A Prep Method: EPA 3546						
Dieldrin	**2.1**	J	ug/Kg	5.0	1.4	Soil
4,4'-DDE	**6.5**		ug/Kg	5.0	1.4	Soil
4,4'-DDT	**8.0**	C	ug/Kg	5.0	1.4	Soil
Chlordane (Technical)	**57**		ug/Kg	50	11	Soil

Sample ID: SB-34-5.0 **Lab ID: 482773-063** **Collected: 04/04/23 10:13**
Matrix: Soil

482773-063 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Lead	**8.2**		mg/Kg	0.99	0.090

Sample ID: SB-35-1.0 **Lab ID: 482773-064** **Collected: 04/04/23 09:43**

482773-064 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: METHOD						
Lead	**0.29**		mg/L	0.15	0.036	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**3.3**		mg/Kg	0.95	0.26	Soil
Lead	**54**		mg/Kg	0.48	0.065	Soil
Method: EPA 8081A Prep Method: EPA 3546						
Dieldrin	**3.0**	C,J	ug/Kg	5.0	1.4	Soil
4,4'-DDE	**6.1**		ug/Kg	5.0	1.4	Soil
4,4'-DDT	**5.4**	C	ug/Kg	5.0	1.4	Soil
Chlordane (Technical)	**290**		ug/Kg	50	11	Soil

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-35-3.0 **Lab ID: 482773-065** **Collected: 04/04/23 09:46**
Matrix: Soil

482773-065 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.2**		mg/Kg	0.97	0.27
Lead	**5.9**		mg/Kg	0.49	0.066

Sample ID: SB-37-1.0 **Lab ID: 482773-067** **Collected: 04/04/23 09:24**
Matrix: Soil

482773-067 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Barium	**210**		mg/Kg	0.95	0.11
Beryllium	**0.70**		mg/Kg	0.48	0.029
Cadmium	**0.50**		mg/Kg	0.48	0.034
Chromium	**38**		mg/Kg	0.95	0.091
Cobalt	**12**		mg/Kg	0.48	0.10
Copper	**25**		mg/Kg	0.95	0.24
Molybdenum	**0.97**		mg/Kg	0.95	0.18
Nickel	**27**		mg/Kg	0.95	0.18
Vanadium	**58**		mg/Kg	0.95	0.077
Zinc	**76**		mg/Kg	4.8	0.16
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.7**		mg/Kg	0.95	0.26
Lead	**6.2**		mg/Kg	0.48	0.065
Thallium	**0.21**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.12**	J	mg/Kg	0.14	0.0051

Sample ID: SB-37-3.0 **Lab ID: 482773-068** **Collected: 04/04/23 09:31**
Matrix: Soil

482773-068 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.3**		mg/Kg	0.96	0.27
Lead	**5.9**		mg/Kg	0.48	0.066

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

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Detection Summary

Sample ID: SB-13-1.0 **Lab ID: 482773-070** **Collected: 04/04/23 12:56**

482773-070 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: METHOD						
Arsenic	**0.69**		mg/L	0.30	0.019	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**79**		mg/Kg	0.97	0.73	Soil
Lead	**26**		mg/Kg	0.49	0.089	Soil
Method: EPA 8081A Prep Method: EPA 3546						
4,4'-DDE	**2.0**	J	ug/Kg	5.0	1.4	Soil

Sample ID: SB-13-3.0 **Lab ID: 482773-071** **Collected: 04/04/23 12:59**
Matrix: Soil

482773-071 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.7**		mg/Kg	0.96	0.72
Lead	**5.6**		mg/Kg	0.48	0.088

Sample ID: EB-230404 **Lab ID: 482773-073** **Collected: 04/04/23 14:50**
Matrix: Water

482773-073 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3010A					
Barium	**0.0026**	B,J	mg/L	0.010	0.00041
Chromium	**0.0014**	B,J	mg/L	0.010	0.00044
Zinc	**0.0081**	B,J	mg/L	0.050	0.0074
Method: EPA 6020 Prep Method: EPA 200.8					
Lead	**0.30**	B,J	ug/L	5.0	0.038

B Contamination found in associated Method Blank
C Presence confirmed, but RPD between columns exceeds 40%
J Estimated value

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 432773

Page: 1 of 6

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	LAUSD - GARFIELD HS
Report To:	DARREN CROTEAU	Proj. Name:	~~GARFIELD HS - LAUSD~~ SCE
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	16401 VON KARMAN #410	P.O. #:	
	IRVINE CA 92606	Address:	5101 E 6th ST. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	JULIANNA CATIVO

Test Instructions / Comments: EMAIL ESDAT/EDD TO edd@terraphase.com

EMAIL REPORT TO vanya.keyes@terraphase.com.

H - HOLD

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: ARSENIC (6020B)	OCPs (8081A)	LEAD (6010B)	TITLE 22 METALS (6010B/7471A)	PCBs (8082)	PAHs (8270C)	ASBESTOS (CALM)
1	SB-06-1.0	04/04/23	1405	S	1-8oz / 1-4oz	ICE	X	X	X	X	X	X	X
2	SB-06-3.0		1410		1-8oz / 1-4oz		X	X	X	H			H
3	SB-06-5.0		1412		1-8oz / 1-4oz		H	H	H	H	H	H	H
4	SB-07-1.0		1337		1-8oz		X	X	X				
5	SB-07-3.0		1355				X	X	X				
6	SB-07-5.0		1411				H	H	H				
7	SB-08-1.0		1333				X	X	X				
8	SB-08-3.0		1336				X	X	X				
9	SB-08-5.0	↓	1339	↓	↓	↓	H	H	H				
10	SB-09-1.0	04/04/23	1418	S	1-8oz	ICE	X	X	X				

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		JULIANNA CATIVO	TEI / GEOLOGIST	4/4/23 1427
[1] Received By:		Ricardo Serrano	EA	4/4/23 1727
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

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ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482773

Page: 2 of 8

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
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Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAWD - GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	~~5050~~ SC 5030.056.003
Address:	16401 VON KARMAN #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th St ~~LOS ANGELES~~ LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	JULIANNA CATIVO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: ARSENIC (6020)	LEAD (6010)	ASBESTOS (PLM)	TITLE 22 METALS (6010B/7471)	PAHs (8270C)	PCBs (8082)	Test Instructions / Comments
1	SB-09-3.0	04/04/23	1419	S	1-8oz	ICE	X	X					See page 2 *
2	SB-09-5.0		1422				H	H					
3	SB-10-1.0		1422				X	X					
4	SB-10-3.0		1429				X	X					
5	SB-10-5.0		SC ~~1322~~ 1429		1-8oz		H	H					H - HOLD
6	SB-11-1.0		SC ~~1325~~ 1322		1-8oz / 1-4oz		X	X	X	X	X	X	
7	SB-11-3.0		SC ~~1328~~ 1325				X	X	H	H	H	H	
8	SB-11-5.0		1328				H	H	H	H	H	H	
9	SB-12-1.0		1425				X	X	X	X	X	X	
10	SB-12-3.0	04/04/23	1427	S	1-8oz / 1-4oz	ICE	X	X	H	H	H	H	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		JULIANNA CATIVO	TEI / GEOLOGIST	4/4/23 1727
[1] Received By:		Ricardo Serrano	EA	4/4/23 1727
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

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ENTHALPY ANALYTICAL

Chain of Custody Record — Lab No: 482773 — Page: 3 of 8

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	1401 VON KARMAN #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th ST. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	JULIANNA CATIVO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Arsenic (6020)	OCPs (8081A)	Lead (6010B)	Asbestos (PLM)	Title 22 Metals (6010B)	PCBs (8082)	PAHs (8270C)	Test Instructions / Comments
1	SB-12-5.0	04/04/23	1430	S	1-8oz / 1-4oz	ICE	H	H	H	H	H	H	H	* SEE PAGE 1 *
2	SB-16-1.0		1029		1-8oz		X	X	X					
3	SB-16-3.0		1035				X	X	X					
4	SB-16-5.0		1040				H	H	H					
5	SB-17-1.0		1025				X	X	X					
6	SB-17-3.0		1030		↓		X	X	X					
7	SB-17-5.0		1035		1-8oz		H	H	H					
8	SB-19-1.0		1104		1-8oz / 1-4oz		X	X	X	X	X	X	X	
9	SB-19-3.0	↓	1111	↓	↓	↓	X	X	X	H	H	H	H	
10	SB-19-5.0	04/04/23	1116	S	1-8oz / 1-4oz	ICE	H	H	H	H	H	H	H	H-HOLD

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		JULIANNA CATIVO	TEI / GEOLOGIST	4/4/23 1727
[1] Received By:			EA	4/4/23 1727
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

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Chain of Custody Record

Lab No: 482773

Page: 4 of 8

Turn Around Time (rush by advanced notice only)

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Enthalpy Analytical - Orange

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Phone 714-771-6900

Matrix: A = Air, W = Water, SeaW = Sea Water, DW = Drinking Water, WP = Wipe, S = Soil, O = Oil, M = Other matrices (solid), L = Other matrices (aqueous)

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	17461 VON KARMAN AVE #110	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6TH ST. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	JULIANNA CATINO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No.	Pres.	Analysis Request: ARSENIC (6020)	OCPs (8081A)	LEAD (6010B)	ASBESTOS (PLM)	TITLE 22 METALS (6010B/7471)	PCBs (8082)	PAHs (8270C)	Test Instructions / Comments
1	SB-20-1.0	04/04/23	1011	S	1-8oz	ICE	X	X	X					* SEE PAGE 1 *
2	SB-20-3.0		1014				X	X	X					
3	SB-20-5.0		1017				H	H	H					H-HOLD
4	SB-21-1.0		0933				X	X	X			X		
5	SB-21-3.0		0957				X	X	X			H		
6	SB-21-5.0		1002				H	H	H			H		
7	SB-25-1.0		1106				X	X	X					
8	SB-25-3.0		1109				X	X	X					
9	SB-25-5.0	↓	1111	↓	1-8oz	↓	H	H	H					
10	SB-26-1.0	04/04/23	1236	S	1-8oz / 1-4oz	ICE	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		JULIANNA CATINO	TEI / GEOLOGIST	4/4/23 1727
[1] Received By:		Brian LaSaracen	EA	4/4/23 1727
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

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Chain of Custody Record

Lab No: 482773

Page: 5 of 5

Turn Around Time (rush by advanced notice only)

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Phone 714-771-6900

Matrix: A = Air, W = Water, SeaW = Sea Water, DW = Drinking Water, WP = Wipe, S = Soil, O = Oil, M = Other matrices (solid), L = Other matrices (aqueous)

Preservatives:
1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3
4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp:

(lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRA PHASE ENGINEERING INC	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	1601 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th ST. LOS ANGELES CA
Phone:	(949) 377-9227	Global ID:	
Fax:		Sampled By:	J CATALDO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No.	Pres.	Arsenic (6020)	OCPs (8081A)	Lead (6010B)	Asbestos (PLM)	Title 22 Metals (6010B/7471)	PCBs (8082)	PAHs (8270C)	Test Instructions / Comments
1	SB-26-3.0	09/01/23	1239	S		ICE	X	X	X	H	H	H	H	* SEE PAGE 1 *
2	SB-26-5.0		1241				H	H	H	H	H	H	H	
3	SB-27-1.0		1127				X	X	X					
4	SB-27-3.0		1130				X	X	X					
5	SB-27-5.0		1134				H	H	H					
6	SB-29-1.0		0744				X	X	X					
7	SB-29-3.0		0753				X	X	X					
8	SB-29-5.0		0757				H	H	H					
9	SB-30-1.0	↓	0805	↓		↓	X	X	X	X	X	X	X	
10	SB-30-3.0	09/01/23	0810	S		ICE	X	X	X	H	H	H	H	H- HOLD

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA CATALDO	TE / GEOLOGIST	9/1/23 1727
1 Received By:		Ricardo Serrano	EA	9/1/23 1727
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482773

Page: 6 of 8

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Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

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Phone 714-771-6900

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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	580.056.003
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th St. LOS ANGELES CA
Phone:	(949) 277-2777	Global ID:	
Fax:		Sampled By:	J. CATALO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PRESENCE (4020)	ACRS (8015M)	LEAD (6010B)	ASBESTOS (PLM)	TITLE 22 METALS (6010B/7471)	PCBs (8082)	PAHs (8270C)				Test Instructions / Comments
1	SB-30-5.0	04/04/23	0815	S		ICE	H	H	H	H	H	H	H				* SEE PAGE 1 *
2	SB-31-1.0		0828				X	X	X								
3	SB-31-3.0		0832				X	X	X								
4	SB-31-5.0		0835				H	H	H								
5	SB-32-1.0		0920				X	X	X	X	X	X	X				
6	SB-32-3.0		0924				X	X	X	H	H	H	H				
7	SB-32-5.0		0929				H	H	H	H	H	H	H				
8	SB-33-1.0		0855				X	X	X								
9	SB-33-3.0	↓	0901	↓			X	X	X								
10	SB-33-5.0	04/04/23	0904	S		ICE	H	H	H								H - HOLD

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		JULIANNA CATALO	TRI / GeoTracker	04/04/23 1727
[1] Received By:		Raven Sanchez	EA	4/04/23 1727
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

0.4/1.5

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 402773

Page: 7 of 8

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		~~Custom TAT:~~	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRA PHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5131.056.003
Address:	16411 VON KARMAN AVE #C	P.O. #:	
	IRVINE CA 92606	Address:	5101 E 6TH ST. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J. OATIVO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	ARSENIC (6020)	OCPs (8081A)	LEAD (6010B)	ASBESTOS (CALM)	TITLE 22 METALS (6010B/7471A)	PCBs (8082)	PAHs (8270C)	Test Instructions / Comments
1	SB-34-1.0	04/04/23	1007	S	1-8oz	ICE	X	X	X					* SEE PAGE 1 *
2	SB-34-3.0		1010				X	X	X					
3	SB-34-5.0		1013				H	H	H					H - HOLD
4	SB-35-1.0		0943				X	X	X					
5	SB-35-3.0		0946				X	X	X					
6	SB-35-5.0		0951		1-8oz		H	H	H					
7	SB-37-1.0		0924		1-8oz | 1-4oz		X	X	X	X	X	X	X	
8	SB-37-3.0		0931				X	X	X	H	H	H	H	
9	SB-37-5.0		0937		1-8oz | 1-4oz		H	H	H	H	H	H	H	
10	SB-13-1.0	04/04/23	1256	S		ICE	X	X	X					

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA OATIVO	TEI / GEOLOGIST	04/04/23 1427
1 Received By:		Ricardo Serrano	EA	4/04/23 1727
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 23-04-773

Page: 6 of 6

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUID-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6TH ST. LOS ANGELES CA
Phone:	(949) 377-2277	Global ID:	
Fax:		Sampled By:	J. CATIVO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	ARSENIC (6020)	VOCs (6581K)	LEAD (6010B)	ASBESTOS (PLM)	TITLE 22 METALS (CAM17)	PCBs (8082)	PAHs (8270C)	Test Instructions / Comments
1	SB-13-3.0	04/04/23	1259	S	1-8oz	ICE	X	X	X					X SEE PAGE 1 *
2	SB-13-5.0	04/04/23	1305	S	1-8oz	ICE	H	H	H					
3	EB-230404	04/04/23	1450	W	5 amber/poly	ICE	X	X	X	X	X	X	X	H - HOLD
4														
5														
6														
7														
8														
9														
10														

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		JULIANNA CATIVO	TEI / GEOLOGIST	4/4/23 1727
[1] Received By:		Ricardo Sanchez	EA	4/4/23 1727
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

0.4/1.6

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Terraphase Engineering Project: LAUSD-GARFIELD HS

Date Received: 4/4/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 1.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)		✔	
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments 34,35,36 Time Did not Match COC

34 Con: 0953 COC 0933

35 Con: 1002 COC 0957

36 Con 0957 COC 1002

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☑ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 4-4-23

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

[EXTERNAL] LAUSD Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Wed, Apr 12, 2023 at 1:58 PM
To: Patty Mata <patty.mata@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>

Hello Patty,

Could we please run the following additional analyses for the samples submitted last week for our LAUSD Garfield HS Project on standard turnaround time:

Sample ID	Enthalpy ID	PCBs (8082)	PAHs (8270C)
SB-15-1.0	482858-023	X	X
SB-35-1.0	482773-064	X	
SB-36-1.0	482858-009	X	
SB-38-1.0	482858-011	X	
SB-39-1.0	482858-014	X	

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

www.terraphase.com

terraphase engineering

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

RE: [EXTERNAL] LAUSD Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Fri, Apr 14, 2023 at 2:37 PM
To: Patty Mata <patty.mata@enthalpy.com>, Daniel Chavez <daniel.chavez@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>, Darren Croteau <darren.croteau@terraphase.com>

Hello Patty,

In addition to the additional TPH tests listed earlier can we please run the following additional tests:

Sample ID	Enthalpy ID	Lead	Lead		Arsenic
		EPA 6020	STLC	TCLP	STLC
SB-13-1.0	482773-070				X
SB-21-1.0	482773-034		X		
SB-22-1.0	482858-017		X	X	
SB-34-3.0	482773-062		X	X	
SB-34-5.0	482773-063	X			
SB-35-1.0	482773-064		X		
SB-36-1.0	482858-009		X		

Sample 482773-063 was previously on hold. All run for standard TAT. We are not sure if we want to run moisture tests yet I will let you know early next week.

thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

ENTHALPY ANALYTICAL

Analysis Results for 482773

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 482773
Project No: LAUSD SCHOOL
Location: LAUSD-GARFIELD HS, S030.056.003
Date Received: 04/04/23

Sample ID: SB-06-1.0 **Lab ID: 482773-001** **Collected: 04/04/23 14:05**
Matrix: Soil

482773-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	0.77	0.99	311121	04/05/23	04/07/23	SBW
Barium	**130**		mg/Kg	0.99	0.12	0.99	311121	04/05/23	04/07/23	SBW
Beryllium	**0.54**		mg/Kg	0.50	0.030	0.99	311121	04/05/23	04/07/23	SBW
Cadmium	**0.40**	J	mg/Kg	0.50	0.035	0.99	311121	04/05/23	04/07/23	SBW
Chromium	**32**		mg/Kg	0.99	0.094	0.99	311121	04/05/23	04/07/23	SBW
Cobalt	**11**		mg/Kg	0.50	0.11	0.99	311121	04/05/23	04/07/23	SBW
Copper	**21**		mg/Kg	0.99	0.25	0.99	311121	04/05/23	04/07/23	SBW
Molybdenum	**0.67**	J	mg/Kg	0.99	0.18	0.99	311121	04/05/23	04/07/23	SBW
Nickel	**23**		mg/Kg	0.99	0.18	0.99	311121	04/05/23	04/07/23	SBW
Selenium	ND		mg/Kg	3.0	0.37	0.99	311121	04/05/23	04/07/23	SBW
Silver	ND		mg/Kg	0.50	0.24	0.99	311121	04/05/23	04/07/23	SBW
Vanadium	**48**		mg/Kg	0.99	0.080	0.99	311121	04/05/23	04/07/23	SBW
Zinc	**60**		mg/Kg	5.0	0.17	0.99	311121	04/05/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**6.4**		mg/Kg	0.97	0.20	0.97	311129	04/05/23	04/05/23	JCP
Lead	**5.7**		mg/Kg	0.49	0.089	0.97	311129	04/05/23	04/05/23	JCP
Thallium	ND		mg/Kg	0.97	0.46	0.97	311129	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.034**	J	mg/Kg	0.16	0.0056	1.1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

482773-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	106%		%REC	23-120		0.99	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	116%		%REC	24-120		0.99	311163	04/05/23	04/06/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49	14	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1221	ND		ug/Kg	49	22	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1232	ND		ug/Kg	49	18	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1242	ND		ug/Kg	49	18	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1248	ND		ug/Kg	49	21	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1254	ND		ug/Kg	49	6.5	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1260	ND		ug/Kg	49	24	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1262	ND		ug/Kg	49	16	0.99	311163	04/05/23	04/06/23	MES
Aroclor-1268	ND		ug/Kg	49	13	0.99	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	106%		%REC	19-121		0.99	311163	04/05/23	04/06/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10	2.9	1	311212	04/06/23	04/06/23	VTN
Naphthalene	ND		ug/Kg	10	3.1	1	311212	04/06/23	04/06/23	VTN
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	VTN
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	VTN
Fluorene	ND		ug/Kg	10	2.6	1	311212	04/06/23	04/06/23	VTN
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	VTN
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	VTN
Fluoranthene	ND		ug/Kg	10	0.99	1	311212	04/06/23	04/06/23	VTN
Pyrene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(a)anthracene	ND		ug/Kg	10	0.94	1	311212	04/06/23	04/06/23	VTN
Chrysene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	VTN
Benzo(a)pyrene	ND		ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	69%		%REC	27-125		1	311212	04/06/23	04/06/23	VTN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482773

482773-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
2-Fluorobiphenyl	62%		%REC	30-120		1	311212	04/06/23	04/06/23	VTN
Terphenyl-d14	69%		%REC	33-155		1	311212	04/06/23	04/06/23	VTN

Sample ID: SB-06-3.0 **Lab ID: 482773-002** **Collected: 04/04/23 14:10**
Matrix: Soil

482773-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.3**		mg/Kg	0.96	0.20	0.96	311129	04/05/23	04/05/23	JCP
Lead	**5.5**		mg/Kg	0.48	0.066	0.96	311129	04/05/23	04/06/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	105%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	113%		%REC	24-120		1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-07-1.0	Lab ID: 482773-004	Collected: 04/04/23 13:37
	Matrix: Soil	

482773-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.98	0.20	0.98	311129	04/05/23	04/05/23	JCP
Lead	**6.5**		mg/Kg	0.49	0.089	0.98	311129	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	82%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	74%		%REC	24-120		1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-07-3.0	Lab ID: 482773-005	Collected: 04/04/23 13:55
	Matrix: Soil	

482773-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.2**		mg/Kg	0.96	0.20	0.96	311129	04/05/23	04/05/23	JCP
Lead	**7.0**		mg/Kg	0.48	0.088	0.96	311129	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	97%		%REC	23-120		0.99	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	104%		%REC	24-120		0.99	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-08-1.0	Lab ID: 482773-007	Collected: 04/04/23 13:33
	Matrix: Soil	

482773-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.2**		mg/Kg	0.97	0.20	0.97	311129	04/05/23	04/05/23	JCP
Lead	**11**		mg/Kg	0.49	0.089	0.97	311129	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	101%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	110%		%REC	24-120		1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-08-3.0	Lab ID: 482773-008	Collected: 04/04/23 13:36
	Matrix: Soil	

482773-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**6.0**		mg/Kg	0.98	0.20	0.98	311129	04/05/23	04/05/23	JCP
Lead	**5.8**		mg/Kg	0.49	0.089	0.98	311129	04/05/23	04/06/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	103%		%REC	23-120		0.99	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	113%		%REC	24-120		0.99	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-09-1.0	Lab ID: 482773-010	Collected: 04/04/23 14:18
	Matrix: Soil	

482773-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.7**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**5.7**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	104%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	113%		%REC	24-120		1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-09-3.0	Lab ID: 482773-011	Collected: 04/04/23 14:19
	Matrix: Soil	

482773-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**5.5**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	104%		%REC	23-120		0.99	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	114%		%REC	24-120		0.99	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-10-1.0	Lab ID: 482773-013	Collected: 04/04/23 14:22
	Matrix: Soil	

482773-013 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.7**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**7.3**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	105%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	122%	*	%REC	24-120		1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-10-3.0	Lab ID: 482773-014	Collected: 04/04/23 14:29
	Matrix: Soil	

482773-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.7**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**6.0**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	85%		%REC	23-120		0.99	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	93%		%REC	24-120		0.99	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-11-1.0	Lab ID: 482773-016	Collected: 04/04/23 13:22
	Matrix: Soil	

482773-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.74	0.95	311205	04/06/23	04/07/23	SBW
Barium	**110**		mg/Kg	0.95	0.11	0.95	311205	04/06/23	04/07/23	SBW
Beryllium	**0.49**		mg/Kg	0.48	0.029	0.95	311205	04/06/23	04/07/23	SBW
Cadmium	**0.31**	J	mg/Kg	0.48	0.034	0.95	311205	04/06/23	04/07/23	SBW
Chromium	**26**		mg/Kg	0.95	0.091	0.95	311205	04/06/23	04/07/23	SBW
Cobalt	**9.3**		mg/Kg	0.48	0.10	0.95	311205	04/06/23	04/07/23	SBW
Copper	**19**		mg/Kg	0.95	0.24	0.95	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.39**	J	mg/Kg	0.95	0.18	0.95	311205	04/06/23	04/07/23	SBW
Nickel	**18**		mg/Kg	0.95	0.18	0.95	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	2.9	0.36	0.95	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.48	0.24	0.95	311205	04/06/23	04/07/23	SBW
Vanadium	**46**		mg/Kg	0.95	0.077	0.95	311205	04/06/23	04/07/23	SBW
Zinc	**58**		mg/Kg	4.8	0.16	0.95	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.5**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**5.7**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Thallium	**0.20**	J	mg/Kg	0.95	0.13	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.19**		mg/Kg	0.14	0.0052	1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.98	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.98	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.98	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.98	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.98	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.98	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.98	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.98	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.98	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.98	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.98	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.98	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.98	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.98	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.98	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.98	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.98	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-016 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	9.8	5.0	0.98	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	98	15	0.98	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.98	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	101%		%REC	23-120		0.98	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	116%		%REC	24-120		0.98	311163	04/05/23	04/06/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49	14	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1221	ND		ug/Kg	49	22	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1232	ND		ug/Kg	49	18	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1242	ND		ug/Kg	49	18	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1248	ND		ug/Kg	49	21	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1254	ND		ug/Kg	49	6.5	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1260	ND		ug/Kg	49	24	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1262	ND		ug/Kg	49	16	0.98	311163	04/05/23	04/06/23	MES
Aroclor-1268	ND		ug/Kg	49	13	0.98	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	108%		%REC	19-121		0.98	311163	04/05/23	04/06/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	VTN
Naphthalene	ND		ug/Kg	10	3.2	1	311212	04/06/23	04/06/23	VTN
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	VTN
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	VTN
Fluorene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	VTN
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	VTN
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	VTN
Fluoranthene	ND		ug/Kg	10	1.0	1	311212	04/06/23	04/06/23	VTN
Pyrene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(a)anthracene	ND		ug/Kg	10	0.95	1	311212	04/06/23	04/06/23	VTN
Chrysene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	VTN
Benzo(a)pyrene	ND		ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	74%		%REC	27-125		1	311212	04/06/23	04/06/23	VTN
2-Fluorobiphenyl	68%		%REC	30-120		1	311212	04/06/23	04/06/23	VTN
Terphenyl-d14	78%		%REC	33-155		1	311212	04/06/23	04/06/23	VTN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-11-3.0	Lab ID: 482773-017	Collected: 04/04/23 13:25
	Matrix: Soil	

482773-017 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.6**		mg/Kg	0.97	0.27	0.97	311135	04/05/23	04/05/23	JCP
Lead	**5.7**		mg/Kg	0.49	0.066	0.97	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	108%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	118%		%REC	24-120		1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-12-1.0	Lab ID: 482773-019	Collected: 04/04/23 14:25
	Matrix: Soil	

482773-019 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.76	0.97	311205	04/06/23	04/07/23	SBW
Barium	**140**		mg/Kg	0.97	0.11	0.97	311205	04/06/23	04/07/23	SBW
Beryllium	**0.57**		mg/Kg	0.49	0.029	0.97	311205	04/06/23	04/07/23	SBW
Cadmium	**0.40**	J	mg/Kg	0.49	0.035	0.97	311205	04/06/23	04/07/23	SBW
Chromium	**36**		mg/Kg	0.97	0.092	0.97	311205	04/06/23	04/07/23	SBW
Cobalt	**11**		mg/Kg	0.49	0.11	0.97	311205	04/06/23	04/07/23	SBW
Copper	**23**		mg/Kg	0.97	0.24	0.97	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.81**	J	mg/Kg	0.97	0.18	0.97	311205	04/06/23	04/07/23	SBW
Nickel	**26**		mg/Kg	0.97	0.18	0.97	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	2.9	0.36	0.97	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.49	0.24	0.97	311205	04/06/23	04/07/23	SBW
Vanadium	**54**		mg/Kg	0.97	0.078	0.97	311205	04/06/23	04/07/23	SBW
Zinc	**65**		mg/Kg	4.9	0.16	0.97	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.3**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**5.6**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Thallium	**0.21**	J	mg/Kg	0.95	0.13	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.025**	J	mg/Kg	0.15	0.0055	1.1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311163	04/05/23	04/06/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311163	04/05/23	04/06/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311163	04/05/23	04/06/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311163	04/05/23	04/06/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311163	04/05/23	04/06/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311163	04/05/23	04/06/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311163	04/05/23	04/06/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311163	04/05/23	04/06/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311163	04/05/23	04/06/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-019 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	10	5.0	1	311163	04/05/23	04/06/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311163	04/05/23	04/06/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
TCMX	104%		%REC	23-120		1	311163	04/05/23	04/06/23	MES
Decachlorobiphenyl	119%		%REC	24-120		1	311163	04/05/23	04/06/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	311163	04/05/23	04/06/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	311163	04/05/23	04/06/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	311163	04/05/23	04/06/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	311163	04/05/23	04/06/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	311163	04/05/23	04/06/23	MES
Aroclor-1254	ND		ug/Kg	50	6.5	1	311163	04/05/23	04/06/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	311163	04/05/23	04/06/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	311163	04/05/23	04/06/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	311163	04/05/23	04/06/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	109%		%REC	19-121		1	311163	04/05/23	04/06/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10	2.9	1	311212	04/06/23	04/06/23	VTN
Naphthalene	ND		ug/Kg	10	3.1	1	311212	04/06/23	04/06/23	VTN
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	VTN
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	VTN
Fluorene	ND		ug/Kg	10	2.6	1	311212	04/06/23	04/06/23	VTN
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	VTN
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	VTN
Fluoranthene	ND		ug/Kg	10	0.99	1	311212	04/06/23	04/06/23	VTN
Pyrene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(a)anthracene	ND		ug/Kg	10	0.94	1	311212	04/06/23	04/06/23	VTN
Chrysene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	VTN
Benzo(a)pyrene	ND		ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	VTN
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	66%		%REC	27-125		1	311212	04/06/23	04/06/23	VTN
2-Fluorobiphenyl	62%		%REC	30-120		1	311212	04/06/23	04/06/23	VTN
Terphenyl-d14	69%		%REC	33-155		1	311212	04/06/23	04/06/23	VTN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-12-3.0	Lab ID: 482773-020	Collected: 04/04/23 14:27
	Matrix: Soil	

482773-020 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.99	0.27	0.99	311135	04/05/23	04/05/23	JCP
Lead	**5.3**		mg/Kg	0.50	0.068	0.99	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TJW
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TJW
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TJW
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TJW
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Methoxychlor	ND		ug/Kg	10	5.0	1	311252	04/06/23	04/07/23	TJW
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TJW
Chlordane (Technical)	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TJW
Surrogates				**Limits**						
TCMX	83%		%REC	23-120		1	311252	04/06/23	04/07/23	TJW
Decachlorobiphenyl	99%		%REC	24-120		1	311252	04/06/23	04/07/23	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-16-1.0	Lab ID: 482773-022	Collected: 04/04/23 10:29
	Matrix: Soil	

482773-022 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.8**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**28**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TJW
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TJW
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TJW
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TJW
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Dieldrin	**4.8**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDE	**4.1**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
4,4'-DDD	**2.7**	J	ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDT	**8.8**		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TJW
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TJW
Chlordane (Technical)	**140**		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TJW
Surrogates				**Limits**						
TCMX	93%		%REC	23-120		1	311252	04/06/23	04/07/23	TJW
Decachlorobiphenyl	108%		%REC	24-120		1	311252	04/06/23	04/07/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-16-3.0	Lab ID: 482773-023	Collected: 04/04/23 10:35
	Matrix: Soil	

482773-023 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.9**		mg/Kg	0.97	0.27	0.97	311135	04/05/23	04/05/23	JCP
Lead	**8.9**		mg/Kg	0.49	0.066	0.97	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TJW
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TJW
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TJW
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TJW
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Dieldrin	**2.3**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDE	**1.9**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDT	**3.2**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TJW
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TJW
Chlordane (Technical)	**34**	J	ug/Kg	50	11	1	311252	04/06/23	04/07/23	TJW
Surrogates				**Limits**						
TCMX	89%		%REC	23-120		1	311252	04/06/23	04/07/23	TJW
Decachlorobiphenyl	101%		%REC	24-120		1	311252	04/06/23	04/07/23	TJW

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482773

Sample ID: SB-17-1.0	Lab ID: 482773-025	Collected: 04/04/23 10:25
	Matrix: Soil	

482773-025 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.1**		mg/Kg	0.99	0.27	0.99	311135	04/05/23	04/05/23	JCP
Lead	**20**		mg/Kg	0.50	0.068	0.99	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TJW
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TJW
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TJW
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TJW
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Dieldrin	**3.2**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDE	**7.4**		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
4,4'-DDD	**1.7**	J	ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDT	**8.8**		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TJW
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TJW
Chlordane (Technical)	**53**		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TJW
Surrogates				**Limits**						
TCMX	94%		%REC	23-120		1	311252	04/06/23	04/07/23	TJW
Decachlorobiphenyl	110%		%REC	24-120		1	311252	04/06/23	04/07/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-17-3.0	Lab ID: 482773-026	Collected: 04/04/23 10:30
	Matrix: Soil	

482773-026 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.1**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**12**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TJW
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TJW
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TJW
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TJW
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Dieldrin	**2.5**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDE	**3.4**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TJW
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TJW
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
4,4'-DDT	**3.6**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TJW
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TJW
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TJW
Chlordane (Technical)	**47**	J	ug/Kg	50	11	1	311252	04/06/23	04/07/23	TJW
Surrogates				**Limits**						
TCMX	87%		%REC	23-120		1	311252	04/06/23	04/07/23	TJW
Decachlorobiphenyl	104%		%REC	24-120		1	311252	04/06/23	04/07/23	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-19-1.0	Lab ID: 482773-028	Collected: 04/04/23 11:04
	Matrix: Soil	

482773-028 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.74	0.95	311205	04/06/23	04/07/23	SBW
Barium	**130**		mg/Kg	0.95	0.11	0.95	311205	04/06/23	04/07/23	SBW
Beryllium	**0.47**	J	mg/Kg	0.48	0.029	0.95	311205	04/06/23	04/07/23	SBW
Cadmium	**0.44**	J	mg/Kg	0.48	0.034	0.95	311205	04/06/23	04/07/23	SBW
Chromium	**30**		mg/Kg	0.95	0.091	0.95	311205	04/06/23	04/07/23	SBW
Cobalt	**22**		mg/Kg	0.48	0.10	0.95	311205	04/06/23	04/07/23	SBW
Copper	**23**		mg/Kg	0.95	0.24	0.95	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.60**	J	mg/Kg	0.95	0.18	0.95	311205	04/06/23	04/07/23	SBW
Nickel	**24**		mg/Kg	0.95	0.18	0.95	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	2.9	0.36	0.95	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.48	0.24	0.95	311205	04/06/23	04/07/23	SBW
Vanadium	**47**		mg/Kg	0.95	0.077	0.95	311205	04/06/23	04/07/23	SBW
Zinc	**91**		mg/Kg	4.8	0.16	0.95	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**40**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Thallium	**0.18**	J	mg/Kg	0.95	0.13	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.15**	J	mg/Kg	0.16	0.0056	1.1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	MTS
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	MTS
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	MTS
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	MTS
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	MTS
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	MTS
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	MTS
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	MTS
Dieldrin	**2.3**	J	ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	MTS
4,4'-DDE	**96**		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	MTS
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	MTS
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	MTS
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	MTS
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	MTS
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	MTS
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	MTS
4,4'-DDT	**69**		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	MTS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-028 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	MTS
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	MTS
Chlordane (Technical)	**200**		ug/Kg	50	11	1	311252	04/06/23	04/07/23	MTS
Surrogates				**Limits**						
TCMX	93%		%REC	23-120		1	311252	04/06/23	04/07/23	MTS
Decachlorobiphenyl	112%		%REC	24-120		1	311252	04/06/23	04/07/23	MTS
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	13	1	311252	04/06/23	04/07/23	MTS
Aroclor-1221	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	MTS
Aroclor-1232	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	MTS
Aroclor-1242	ND		ug/Kg	50	16	1	311252	04/06/23	04/07/23	MTS
Aroclor-1248	ND		ug/Kg	50	17	1	311252	04/06/23	04/07/23	MTS
Aroclor-1254	ND		ug/Kg	50	16	1	311252	04/06/23	04/07/23	MTS
Aroclor-1260	ND		ug/Kg	50	23	1	311252	04/06/23	04/07/23	MTS
Aroclor-1262	ND		ug/Kg	50	13	1	311252	04/06/23	04/07/23	MTS
Aroclor-1268	ND		ug/Kg	50	14	1	311252	04/06/23	04/07/23	MTS
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	79%		%REC	19-121		1	311252	04/06/23	04/07/23	MTS
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	VTN
2-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	VTN
Naphthalene	ND		ug/Kg	10	3.2	1	311212	04/06/23	04/06/23	VTN
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	VTN
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	VTN
Fluorene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	VTN
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	VTN
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	VTN
Fluoranthene	**4.2**	J	ug/Kg	10	1.0	1	311212	04/06/23	04/06/23	VTN
Pyrene	**4.4**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(a)anthracene	**2.2**	J	ug/Kg	10	0.95	1	311212	04/06/23	04/06/23	VTN
Chrysene	**4.4**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(b)fluoranthene	**3.9**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	VTN
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	VTN
Benzo(a)pyrene	**3.5**	J	ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	VTN
Indeno(1,2,3-cd)pyrene	**2.5**	J	ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	VTN
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	VTN
Benzo(g,h,i)perylene	**4.4**	J	ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	80%		%REC	27-125		1	311212	04/06/23	04/06/23	VTN
2-Fluorobiphenyl	78%		%REC	30-120		1	311212	04/06/23	04/06/23	VTN
Terphenyl-d14	74%		%REC	33-155		1	311212	04/06/23	04/06/23	VTN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-19-3.0	Lab ID: 482773-029	Collected: 04/04/23 11:11
	Matrix: Soil	

482773-029 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.9**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**5.8**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.1	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.1	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.1	1.1	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.1	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.1	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.1	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.1	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.1	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.1	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.1	1.5	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.1	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.1	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.1	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.1	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.1	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.1	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.1	1.5	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	51	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	91%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	107%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-20-1.0	Lab ID: 482773-031	Collected: 04/04/23 10:11
	Matrix: Soil	

482773-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.8**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**15**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	**28**	J	ug/Kg	50	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	96%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	113%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482773

Sample ID: SB-20-3.0	Lab ID: 482773-032	Collected: 04/04/23 10:14
	Matrix: Soil	

482773-032 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.6**		mg/Kg	0.97	0.27	0.97	311135	04/05/23	04/05/23	JCP
Lead	**43**		mg/Kg	0.49	0.066	0.97	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Dieldrin	**3.1**	J	ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDE	**4.6**	J	ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDT	**5.7**	C	ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	**170**		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	92%		%REC	23-120		0.99	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	104%		%REC	24-120		0.99	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-21-1.0	Lab ID: 482773-034	Collected: 04/04/23 09:33

482773-034 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD											
Lead	**0.75**		mg/L	0.15	0.036	WET Leachate	10	311941	04/20/23	04/20/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**6.6**		mg/Kg	0.99	0.27	Soil	0.99	311135	04/05/23	04/05/23	JCP
Lead	**65**		mg/Kg	0.50	0.068	Soil	0.99	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.1	1.2	Soil	1	311252	04/06/23	04/07/23	MES
beta-BHC	ND		ug/Kg	5.1	1.7	Soil	1	311252	04/06/23	04/07/23	MES
gamma-BHC	ND		ug/Kg	5.1	1.1	Soil	1	311252	04/06/23	04/07/23	MES
delta-BHC	ND		ug/Kg	5.1	1.4	Soil	1	311252	04/06/23	04/07/23	MES
Heptachlor	ND		ug/Kg	5.1	1.5	Soil	1	311252	04/06/23	04/07/23	MES
Aldrin	ND		ug/Kg	5.1	1.3	Soil	1	311252	04/06/23	04/07/23	MES
Heptachlor epoxide	ND		ug/Kg	5.1	1.8	Soil	1	311252	04/06/23	04/07/23	MES
Endosulfan I	ND		ug/Kg	5.1	1.4	Soil	1	311252	04/06/23	04/07/23	MES
Dieldrin	**6.8**	C	ug/Kg	5.1	1.4	Soil	1	311252	04/06/23	04/07/23	MES
4,4'-DDE	**23**		ug/Kg	5.1	1.5	Soil	1	311252	04/06/23	04/07/23	MES
Endrin	ND		ug/Kg	5.1	1.6	Soil	1	311252	04/06/23	04/07/23	MES
Endosulfan II	ND		ug/Kg	5.1	1.6	Soil	1	311252	04/06/23	04/07/23	MES
Endosulfan sulfate	ND		ug/Kg	5.1	1.6	Soil	1	311252	04/06/23	04/07/23	MES
4,4'-DDD	**7.5**		ug/Kg	5.1	1.1	Soil	1	311252	04/06/23	04/07/23	MES
Endrin aldehyde	ND		ug/Kg	5.1	1.7	Soil	1	311252	04/06/23	04/07/23	MES
Endrin ketone	ND		ug/Kg	5.1	1.4	Soil	1	311252	04/06/23	04/07/23	MES
4,4'-DDT	**3.2**	C,J	ug/Kg	5.1	1.7	Soil	1	311252	04/06/23	04/07/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	Soil	1	311252	04/06/23	04/07/23	MES
Toxaphene	ND		ug/Kg	100	15	Soil	1	311252	04/06/23	04/07/23	MES
Chlordane (Technical)	**160**		ug/Kg	51	11	Soil	1	311252	04/06/23	04/07/23	MES
Surrogates				**Limits**							
TCMX	94%		%REC	23-120		Soil	1	311252	04/06/23	04/07/23	MES
Decachlorobiphenyl	116%		%REC	24-120		Soil	1	311252	04/06/23	04/07/23	MES
Method: EPA 8082 Prep Method: EPA 3546											
Aroclor-1016	ND		ug/Kg	51	13	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1221	ND		ug/Kg	51	11	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1232	ND		ug/Kg	51	11	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1242	ND		ug/Kg	51	16	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1248	ND		ug/Kg	51	17	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1254	**70**		ug/Kg	51	6.6	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1260	**110**		ug/Kg	51	23	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1262	ND		ug/Kg	51	13	Soil	1	311252	04/06/23	04/07/23	MES
Aroclor-1268	ND		ug/Kg	51	15	Soil	1	311252	04/06/23	04/07/23	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482773

482773-034 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**							
Decachlorobiphenyl (PCB)	74%		%REC	19-121		Soil	1	311252	04/06/23	04/07/23	MES

Sample ID: SB-21-3.0 **Lab ID: 482773-035** **Collected: 04/04/23 09:57**
Matrix: Soil

482773-035 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.8**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**6.5**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	85%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	88%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-25-1.0	Lab ID: 482773-037	Collected: 04/04/23 11:06
	Matrix: Soil	

482773-037 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**13**		mg/Kg	0.95	0.26	0.95	311135	04/05/23	04/05/23	JCP
Lead	**17**		mg/Kg	0.48	0.065	0.95	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	88%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	100%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-25-3.0	Lab ID: 482773-038	Collected: 04/04/23 11:09
	Matrix: Soil	

482773-038 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.1**		mg/Kg	0.96	0.27	0.96	311135	04/05/23	04/05/23	JCP
Lead	**6.6**		mg/Kg	0.48	0.066	0.96	311135	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	78%		%REC	23-120		0.99	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	97%		%REC	24-120		0.99	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-26-1.0	Lab ID: 482773-040	Collected: 04/04/23 12:36
	Matrix: Soil	

482773-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.76	0.97	311205	04/06/23	04/07/23	SBW
Barium	**130**		mg/Kg	0.97	0.11	0.97	311205	04/06/23	04/07/23	SBW
Beryllium	**0.56**		mg/Kg	0.49	0.029	0.97	311205	04/06/23	04/07/23	SBW
Cadmium	**0.41**	J	mg/Kg	0.49	0.035	0.97	311205	04/06/23	04/07/23	SBW
Chromium	**34**		mg/Kg	0.97	0.092	0.97	311205	04/06/23	04/07/23	SBW
Cobalt	**11**		mg/Kg	0.49	0.11	0.97	311205	04/06/23	04/07/23	SBW
Copper	**23**		mg/Kg	0.97	0.24	0.97	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.75**	J	mg/Kg	0.97	0.18	0.97	311205	04/06/23	04/07/23	SBW
Nickel	**25**		mg/Kg	0.97	0.18	0.97	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	2.9	0.36	0.97	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.49	0.24	0.97	311205	04/06/23	04/07/23	SBW
Vanadium	**50**		mg/Kg	0.97	0.078	0.97	311205	04/06/23	04/07/23	SBW
Zinc	**67**		mg/Kg	4.9	0.16	0.97	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.0**		mg/Kg	0.95	0.26	0.95	311136	04/05/23	04/05/23	JCP
Lead	**5.6**		mg/Kg	0.48	0.065	0.95	311136	04/05/23	04/05/23	JCP
Thallium	**0.27**	J	mg/Kg	0.95	0.13	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.016**	J	mg/Kg	0.14	0.0052	1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	83%		%REC	23-120		0.99	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	104%		%REC	24-120		0.99	311252	04/06/23	04/07/23	TRN
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	13	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1221	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1232	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1242	ND		ug/Kg	50	16	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1248	ND		ug/Kg	50	17	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1254	ND		ug/Kg	50	15	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1260	ND		ug/Kg	50	23	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1262	ND		ug/Kg	50	13	0.99	311252	04/06/23	04/07/23	TRN
Aroclor-1268	ND		ug/Kg	50	14	0.99	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	72%		%REC	19-121		0.99	311252	04/06/23	04/07/23	TRN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.1	1	311212	04/06/23	04/06/23	TJW
2-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	TJW
Naphthalene	ND		ug/Kg	10	3.2	1	311212	04/06/23	04/06/23	TJW
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	TJW
Acenaphthene	ND		ug/Kg	10	2.8	1	311212	04/06/23	04/06/23	TJW
Fluorene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	TJW
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	TJW
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	TJW
Fluoranthene	ND		ug/Kg	10	1.0	1	311212	04/06/23	04/06/23	TJW
Pyrene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	TJW
Benzo(a)anthracene	ND		ug/Kg	10	0.96	1	311212	04/06/23	04/06/23	TJW
Chrysene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	TJW
Benzo(a)pyrene	ND		ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	73%		%REC	27-125		1	311212	04/06/23	04/06/23	TJW
2-Fluorobiphenyl	63%		%REC	30-120		1	311212	04/06/23	04/06/23	TJW
Terphenyl-d14	59%		%REC	33-155		1	311212	04/06/23	04/06/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-26-3.0	Lab ID: 482773-041	Collected: 04/04/23 12:39
	Matrix: Soil	

482773-041 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.2**		mg/Kg	0.98	0.27	0.98	311136	04/05/23	04/05/23	JCP
Lead	**6.0**		mg/Kg	0.49	0.067	0.98	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	81%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	89%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-27-1.0	Lab ID: 482773-043	Collected: 04/04/23 11:27
	Matrix: Soil	

482773-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.98	0.27	0.98	311136	04/05/23	04/05/23	JCP
Lead	**13**		mg/Kg	0.49	0.067	0.98	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	89%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	103%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-27-3.0	Lab ID: 482773-044	Collected: 04/04/23 11:30
	Matrix: Soil	

482773-044 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.6**		mg/Kg	0.96	0.27	0.96	311136	04/05/23	04/05/23	JCP
Lead	**5.7**		mg/Kg	0.48	0.066	0.96	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	84%		%REC	23-120		0.99	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	104%		%REC	24-120		0.99	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-29-1.0	Lab ID: 482773-046	Collected: 04/04/23 07:44
	Matrix: Soil	

482773-046 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.1**		mg/Kg	0.99	0.27	0.99	311136	04/05/23	04/05/23	JCP
Lead	**5.9**		mg/Kg	0.50	0.068	0.99	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.98	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.6	0.98	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.98	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.3	0.98	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.5	0.98	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.98	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.98	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.98	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.4	0.98	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.98	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	4.9	1.5	0.98	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.5	0.98	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.98	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.98	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.98	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.4	0.98	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.98	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.8	5.0	0.98	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	98	14	0.98	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	11	0.98	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	88%		%REC	23-120		0.98	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	116%		%REC	24-120		0.98	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-29-3.0	Lab ID: 482773-047	Collected: 04/04/23 07:53
	Matrix: Soil	

482773-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.95	0.26	0.95	311136	04/05/23	04/05/23	JCP
Lead	**5.6**		mg/Kg	0.48	0.065	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311252	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311252	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311252	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311252	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311252	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311252	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311252	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311252	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311252	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311252	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311252	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311252	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	86%		%REC	23-120		1	311252	04/06/23	04/07/23	TRN
Decachlorobiphenyl	100%		%REC	24-120		1	311252	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-30-1.0	Lab ID: 482773-049	Collected: 04/04/23 08:05
	Matrix: Soil	

482773-049 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.76	0.97	311205	04/06/23	04/07/23	SBW
Barium	**110**		mg/Kg	0.97	0.11	0.97	311205	04/06/23	04/07/23	SBW
Beryllium	**0.35**	J	mg/Kg	0.49	0.029	0.97	311205	04/06/23	04/07/23	SBW
Cadmium	**0.26**	J	mg/Kg	0.49	0.035	0.97	311205	04/06/23	04/07/23	SBW
Chromium	**18**		mg/Kg	0.97	0.092	0.97	311205	04/06/23	04/07/23	SBW
Cobalt	**8.1**		mg/Kg	0.49	0.11	0.97	311205	04/06/23	04/07/23	SBW
Copper	**18**		mg/Kg	0.97	0.24	0.97	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.30**	J	mg/Kg	0.97	0.18	0.97	311205	04/06/23	04/07/23	SBW
Nickel	**12**		mg/Kg	0.97	0.18	0.97	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	2.9	0.36	0.97	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.49	0.24	0.97	311205	04/06/23	04/07/23	SBW
Vanadium	**43**		mg/Kg	0.97	0.078	0.97	311205	04/06/23	04/07/23	SBW
Zinc	**58**		mg/Kg	4.9	0.16	0.97	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**2.2**		mg/Kg	0.95	0.26	0.95	311136	04/05/23	04/05/23	JCP
Lead	**10**		mg/Kg	0.48	0.065	0.95	311136	04/05/23	04/05/23	JCP
Thallium	**0.15**	J	mg/Kg	0.95	0.13	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.073**	J	mg/Kg	0.15	0.0055	1.1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311252	04/06/23	04/07/23	MTS
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	MTS
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311252	04/06/23	04/07/23	MTS
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	MTS
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	MTS
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311252	04/06/23	04/07/23	MTS
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311252	04/06/23	04/07/23	MTS
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	MTS
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	MTS
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	MTS
Endrin	ND		ug/Kg	5.0	1.5	0.99	311252	04/06/23	04/07/23	MTS
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	MTS
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311252	04/06/23	04/07/23	MTS
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311252	04/06/23	04/07/23	MTS
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311252	04/06/23	04/07/23	MTS
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	MTS
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311252	04/06/23	04/07/23	MTS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-049 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311252	04/06/23	04/07/23	MTS
Toxaphene	ND		ug/Kg	99	15	0.99	311252	04/06/23	04/07/23	MTS
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	MTS
Surrogates				**Limits**						
TCMX	88%		%REC	23-120		0.99	311252	04/06/23	04/07/23	MTS
Decachlorobiphenyl	115%		%REC	24-120		0.99	311252	04/06/23	04/07/23	MTS
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	13	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1221	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1232	ND		ug/Kg	50	11	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1242	ND		ug/Kg	50	16	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1248	ND		ug/Kg	50	17	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1254	ND		ug/Kg	50	15	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1260	ND		ug/Kg	50	23	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1262	ND		ug/Kg	50	13	0.99	311252	04/06/23	04/07/23	MTS
Aroclor-1268	ND		ug/Kg	50	14	0.99	311252	04/06/23	04/07/23	MTS
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	84%		%REC	19-121		0.99	311252	04/06/23	04/07/23	MTS
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	TJW
2-Methylnaphthalene	ND		ug/Kg	10	2.9	1	311212	04/06/23	04/06/23	TJW
Naphthalene	ND		ug/Kg	10	3.1	1	311212	04/06/23	04/06/23	TJW
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	TJW
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	TJW
Fluorene	ND		ug/Kg	10	2.6	1	311212	04/06/23	04/06/23	TJW
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	TJW
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	TJW
Fluoranthene	**4.5**	J	ug/Kg	10	0.99	1	311212	04/06/23	04/06/23	TJW
Pyrene	**4.7**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(a)anthracene	**3.2**	J	ug/Kg	10	0.94	1	311212	04/06/23	04/06/23	TJW
Chrysene	**3.8**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(b)fluoranthene	**4.6**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	TJW
Benzo(a)pyrene	**4.0**	J	ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	TJW
Indeno(1,2,3-cd)pyrene	**2.7**	J	ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	TJW
Benzo(g,h,i)perylene	**2.5**	J	ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	77%		%REC	27-125		1	311212	04/06/23	04/06/23	TJW
2-Fluorobiphenyl	71%		%REC	30-120		1	311212	04/06/23	04/06/23	TJW
Terphenyl-d14	74%		%REC	33-155		1	311212	04/06/23	04/06/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-30-3.0	Lab ID: 482773-050	Collected: 04/04/23 08:10
	Matrix: Soil	

482773-050 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.0**		mg/Kg	0.97	0.27	0.97	311136	04/05/23	04/05/23	JCP
Lead	**5.6**		mg/Kg	0.49	0.066	0.97	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311222	04/06/23	04/06/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/06/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311222	04/06/23	04/06/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/06/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311222	04/06/23	04/06/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/06/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311222	04/06/23	04/06/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/06/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/06/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/06/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/06/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/06/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/06/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311222	04/06/23	04/06/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/06/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/06/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/06/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/06/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/06/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311222	04/06/23	04/06/23	TRN
Surrogates				**Limits**						
TCMX	63%		%REC	23-120		0.99	311222	04/06/23	04/06/23	TRN
Decachlorobiphenyl	68%		%REC	24-120		0.99	311222	04/06/23	04/06/23	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-31-1.0	Lab ID: 482773-052	Collected: 04/04/23 08:28
	Matrix: Soil	

482773-052 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.7**		mg/Kg	0.99	0.27	0.99	311136	04/05/23	04/05/23	JCP
Lead	**9.3**		mg/Kg	0.50	0.068	0.99	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311222	04/06/23	04/06/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/06/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311222	04/06/23	04/06/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/06/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/06/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/06/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311222	04/06/23	04/06/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/06/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/06/23	TRN
4,4'-DDE	**1.7**	C,J	ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/06/23	TRN
Endrin	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/06/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/06/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311222	04/06/23	04/06/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311222	04/06/23	04/06/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/06/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/06/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/06/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/06/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/06/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311222	04/06/23	04/06/23	TRN
Surrogates				**Limits**						
TCMX	67%		%REC	23-120		0.99	311222	04/06/23	04/06/23	TRN
Decachlorobiphenyl	68%		%REC	24-120		0.99	311222	04/06/23	04/06/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-31-3.0	Lab ID: 482773-053	Collected: 04/04/23 08:32
	Matrix: Soil	

482773-053 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.99	0.27	0.99	311136	04/05/23	04/05/23	JCP
Lead	**5.6**		mg/Kg	0.50	0.068	0.99	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311222	04/06/23	04/06/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311222	04/06/23	04/06/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311222	04/06/23	04/06/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311222	04/06/23	04/06/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311222	04/06/23	04/06/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/06/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/06/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/06/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311222	04/06/23	04/06/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	1	311222	04/06/23	04/06/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311222	04/06/23	04/06/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311222	04/06/23	04/06/23	TRN
Surrogates				**Limits**						
TCMX	83%		%REC	23-120		1	311222	04/06/23	04/06/23	TRN
Decachlorobiphenyl	81%		%REC	24-120		1	311222	04/06/23	04/06/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-32-1.0	Lab ID: 482773-055	Collected: 04/04/23 09:20
	Matrix: Soil	

482773-055 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	0.77	0.99	311205	04/06/23	04/07/23	SBW
Barium	**86**		mg/Kg	0.99	0.12	0.99	311205	04/06/23	04/07/23	SBW
Beryllium	**0.33**	J	mg/Kg	0.50	0.030	0.99	311205	04/06/23	04/07/23	SBW
Cadmium	**0.28**	J	mg/Kg	0.50	0.035	0.99	311205	04/06/23	04/07/23	SBW
Chromium	**16**		mg/Kg	0.99	0.094	0.99	311205	04/06/23	04/07/23	SBW
Cobalt	**6.8**		mg/Kg	0.50	0.11	0.99	311205	04/06/23	04/07/23	SBW
Copper	**14**		mg/Kg	0.99	0.25	0.99	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.26**	J	mg/Kg	0.99	0.18	0.99	311205	04/06/23	04/07/23	SBW
Nickel	**10**		mg/Kg	0.99	0.18	0.99	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	3.0	0.37	0.99	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.50	0.24	0.99	311205	04/06/23	04/07/23	SBW
Vanadium	**37**		mg/Kg	0.99	0.080	0.99	311205	04/06/23	04/07/23	SBW
Zinc	**59**		mg/Kg	5.0	0.17	0.99	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**3.2**		mg/Kg	0.96	0.27	0.96	311136	04/05/23	04/05/23	JCP
Lead	**13**		mg/Kg	0.48	0.066	0.96	311136	04/05/23	04/05/23	JCP
Thallium	**0.18**	J	mg/Kg	0.96	0.14	0.96	311136	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.037**	J	mg/Kg	0.17	0.0060	1.2	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	0.98	0.99	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.2	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDE	**2.5**	J	ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	4.9	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	2.0	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	0.92	0.99	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.2	0.99	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-055 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	9.9	2.3	0.99	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	31	0.99	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	9.0	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	69%		%REC	23-120		0.99	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	70%		%REC	24-120		0.99	311222	04/06/23	04/07/23	TRN
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	49	14	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1221	ND		ug/Kg	49	22	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1232	ND		ug/Kg	49	18	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1242	ND		ug/Kg	49	18	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1248	ND		ug/Kg	49	21	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1254	ND		ug/Kg	49	6.5	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1260	ND		ug/Kg	49	24	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1262	ND		ug/Kg	49	16	0.99	311222	04/06/23	04/07/23	TRN
Aroclor-1268	ND		ug/Kg	49	13	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	84%		%REC	19-121		0.99	311222	04/06/23	04/07/23	TRN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	TJW
2-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	TJW
Naphthalene	ND		ug/Kg	10	3.2	1	311212	04/06/23	04/06/23	TJW
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	TJW
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	TJW
Fluorene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	TJW
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	TJW
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	TJW
Fluoranthene	**3.1**	J	ug/Kg	10	1.0	1	311212	04/06/23	04/06/23	TJW
Pyrene	**3.2**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(a)anthracene	**2.9**	J	ug/Kg	10	0.95	1	311212	04/06/23	04/06/23	TJW
Chrysene	**2.8**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(b)fluoranthene	**4.0**	J	ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	TJW
Benzo(a)pyrene	**3.5**	J	ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	TJW
Indeno(1,2,3-cd)pyrene	**2.1**	J	ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	TJW
Benzo(g,h,i)perylene	**1.8**	J	ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	73%		%REC	27-125		1	311212	04/06/23	04/06/23	TJW
2-Fluorobiphenyl	69%		%REC	30-120		1	311212	04/06/23	04/06/23	TJW
Terphenyl-d14	72%		%REC	33-155		1	311212	04/06/23	04/06/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-32-3.0	Lab ID: 482773-056	Collected: 04/04/23 09:24
	Matrix: Soil	

482773-056 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.96	0.27	0.96	311136	04/05/23	04/05/23	JCP
Lead	**5.9**		mg/Kg	0.48	0.066	0.96	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	87%		%REC	23-120		0.99	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	81%		%REC	24-120		0.99	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-33-1.0	Lab ID: 482773-058	Collected: 04/04/23 08:55
	Matrix: Soil	

482773-058 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**2.6**		mg/Kg	0.97	0.27	0.97	311136	04/05/23	04/05/23	JCP
Lead	**9.2**		mg/Kg	0.49	0.066	0.97	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	74%		%REC	23-120		0.99	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	70%		%REC	24-120		0.99	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-33-3.0	Lab ID: 482773-059	Collected: 04/04/23 09:01
	Matrix: Soil	

482773-059 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.95	0.26	0.95	311136	04/05/23	04/05/23	JCP
Lead	**5.9**		mg/Kg	0.48	0.065	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	66%		%REC	23-120		0.99	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	67%		%REC	24-120		0.99	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

Sample ID: SB-34-1.0	Lab ID: 482773-061	Collected: 04/04/23 10:07
	Matrix: Soil	

482773-061 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**6.5**		mg/Kg	0.96	0.27	0.96	311136	04/05/23	04/05/23	JCP
Lead	**29**		mg/Kg	0.48	0.066	0.96	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	1	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
Dieldrin	**3.6**	J	ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
4,4'-DDE	**5.9**		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
4,4'-DDT	**9.9**	C	ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.0	1	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	**180**		ug/Kg	50	11	1	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	87%		%REC	23-120		1	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	80%		%REC	24-120		1	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-34-3.0	Lab ID: 482773-062	Collected: 04/04/23 10:10

482773-062 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A											
Lead	**0.0054**	J	mg/L	0.015	0.0036	TCLP Leachate	1	312183	04/20/23	04/21/23	THP
Method: EPA 6010B Prep Method: METHOD											
Lead	**1.3**		mg/L	0.15	0.036	WET Leachate	10	311941	04/20/23	04/21/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**5.0**		mg/Kg	0.95	0.26	Soil	0.95	311136	04/05/23	04/05/23	JCP
Lead	**110**		mg/Kg	0.48	0.065	Soil	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	1.2	Soil	0.99	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	Soil	0.99	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	Soil	0.99	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	Soil	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	Soil	0.99	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	Soil	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	Soil	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/07/23	TRN
Dieldrin	**2.1**	J	ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDE	**6.5**		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	Soil	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	Soil	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	Soil	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	Soil	0.99	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	Soil	0.99	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDT	**8.0**	C	ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	Soil	0.99	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	Soil	0.99	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	**57**		ug/Kg	50	11	Soil	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**							
TCMX	85%		%REC	23-120		Soil	0.99	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	82%		%REC	24-120		Soil	0.99	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482773

Sample ID: SB-34-5.0	Lab ID: 482773-063	Collected: 04/04/23 10:13
	Matrix: Soil	

482773-063 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Lead	**8.2**		mg/Kg	0.99	0.090	0.99	312077	04/19/23	04/19/23	JCP

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-35-1.0	Lab ID: 482773-064	Collected: 04/04/23 09:43

482773-064 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD											
Lead	**0.29**		mg/L	0.15	0.036	WET Leachate	10	311941	04/20/23	04/21/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**3.3**		mg/Kg	0.95	0.26	Soil	0.95	311136	04/05/23	04/05/23	JCP
Lead	**54**		mg/Kg	0.48	0.065	Soil	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	1.2	Soil	1	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	Soil	1	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	Soil	1	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.4	Soil	1	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	Soil	1	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	Soil	1	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	Soil	1	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	Soil	1	311222	04/06/23	04/07/23	TRN
Dieldrin	**3.0**	C,J	ug/Kg	5.0	1.4	Soil	1	311222	04/06/23	04/07/23	TRN
4,4'-DDE	**6.1**		ug/Kg	5.0	1.4	Soil	1	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	Soil	1	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	Soil	1	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	Soil	1	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	Soil	1	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	Soil	1	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	Soil	1	311222	04/06/23	04/07/23	TRN
4,4'-DDT	**5.4**	C	ug/Kg	5.0	1.4	Soil	1	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.1	Soil	1	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	Soil	1	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	**290**		ug/Kg	50	11	Soil	1	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**							
TCMX	85%		%REC	23-120		Soil	1	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	81%		%REC	24-120		Soil	1	311222	04/06/23	04/07/23	TRN
Method: EPA 8082 Prep Method: EPA 3546											
Aroclor-1016	ND		ug/Kg	50	14	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1221	ND		ug/Kg	50	23	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1232	ND		ug/Kg	50	19	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1242	ND		ug/Kg	50	18	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1248	ND		ug/Kg	50	21	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1254	ND		ug/Kg	50	6.6	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1260	ND		ug/Kg	50	24	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1262	ND		ug/Kg	50	16	Soil	1	311222	04/06/23	04/12/23	TRN
Aroclor-1268	ND		ug/Kg	50	13	Soil	1	311222	04/06/23	04/12/23	TRN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482773

482773-064 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**							
Decachlorobiphenyl (PCB)	75%		%REC	19-121		Soil	1	311222	04/06/23	04/12/23	TRN

Sample ID: SB-35-3.0 **Lab ID: 482773-065** **Collected: 04/04/23 09:46**
Matrix: Soil

482773-065 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.2**		mg/Kg	0.97	0.27	0.97	311136	04/05/23	04/05/23	JCP
Lead	**5.9**		mg/Kg	0.49	0.066	0.97	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	83%		%REC	23-120		0.99	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	78%		%REC	24-120		0.99	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-37-1.0	Lab ID: 482773-067	Collected: 04/04/23 09:24
	Matrix: Soil	

482773-067 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.74	0.95	311205	04/06/23	04/07/23	SBW
Barium	**210**		mg/Kg	0.95	0.11	0.95	311205	04/06/23	04/07/23	SBW
Beryllium	**0.70**		mg/Kg	0.48	0.029	0.95	311205	04/06/23	04/07/23	SBW
Cadmium	**0.50**		mg/Kg	0.48	0.034	0.95	311205	04/06/23	04/07/23	SBW
Chromium	**38**		mg/Kg	0.95	0.091	0.95	311205	04/06/23	04/07/23	SBW
Cobalt	**12**		mg/Kg	0.48	0.10	0.95	311205	04/06/23	04/07/23	SBW
Copper	**25**		mg/Kg	0.95	0.24	0.95	311205	04/06/23	04/07/23	SBW
Molybdenum	**0.97**		mg/Kg	0.95	0.18	0.95	311205	04/06/23	04/07/23	SBW
Nickel	**27**		mg/Kg	0.95	0.18	0.95	311205	04/06/23	04/07/23	SBW
Selenium	ND		mg/Kg	2.9	0.36	0.95	311205	04/06/23	04/07/23	SBW
Silver	ND		mg/Kg	0.48	0.24	0.95	311205	04/06/23	04/07/23	SBW
Vanadium	**58**		mg/Kg	0.95	0.077	0.95	311205	04/06/23	04/07/23	SBW
Zinc	**76**		mg/Kg	4.8	0.16	0.95	311205	04/06/23	04/07/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.7**		mg/Kg	0.95	0.26	0.95	311136	04/05/23	04/05/23	JCP
Lead	**6.2**		mg/Kg	0.48	0.065	0.95	311136	04/05/23	04/05/23	JCP
Thallium	**0.21**	J	mg/Kg	0.95	0.13	0.95	311136	04/05/23	04/05/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.12**	J	mg/Kg	0.14	0.0051	1	311199	04/06/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	0.99	1	311222	04/06/23	04/06/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311222	04/06/23	04/06/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.2	1	311222	04/06/23	04/06/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311222	04/06/23	04/06/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/06/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.5	1	311222	04/06/23	04/06/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.5	1	311222	04/06/23	04/06/23	TRN
Endrin	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	2.1	1	311222	04/06/23	04/06/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	0.93	1	311222	04/06/23	04/06/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.2	1	311222	04/06/23	04/06/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.5	1	311222	04/06/23	04/06/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/06/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

482773-067 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/Kg	10	2.3	1	311222	04/06/23	04/06/23	TRN
Toxaphene	ND		ug/Kg	100	31	1	311222	04/06/23	04/06/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	9.1	1	311222	04/06/23	04/06/23	TRN
Surrogates				**Limits**						
TCMX	80%		%REC	23-120		1	311222	04/06/23	04/06/23	TRN
Decachlorobiphenyl	80%		%REC	24-120		1	311222	04/06/23	04/06/23	TRN
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	311222	04/06/23	04/07/23	TRN
Aroclor-1221	ND		ug/Kg	50	23	1	311222	04/06/23	04/07/23	TRN
Aroclor-1232	ND		ug/Kg	50	18	1	311222	04/06/23	04/07/23	TRN
Aroclor-1242	ND		ug/Kg	50	18	1	311222	04/06/23	04/07/23	TRN
Aroclor-1248	ND		ug/Kg	50	21	1	311222	04/06/23	04/07/23	TRN
Aroclor-1254	ND		ug/Kg	50	6.6	1	311222	04/06/23	04/07/23	TRN
Aroclor-1260	ND		ug/Kg	50	24	1	311222	04/06/23	04/07/23	TRN
Aroclor-1262	ND		ug/Kg	50	16	1	311222	04/06/23	04/07/23	TRN
Aroclor-1268	ND		ug/Kg	50	13	1	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	98%		%REC	19-121		1	311222	04/06/23	04/07/23	TRN
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	TJW
2-Methylnaphthalene	ND		ug/Kg	10	3.0	1	311212	04/06/23	04/06/23	TJW
Naphthalene	ND		ug/Kg	10	3.1	1	311212	04/06/23	04/06/23	TJW
Acenaphthylene	ND		ug/Kg	10	2.5	1	311212	04/06/23	04/06/23	TJW
Acenaphthene	ND		ug/Kg	10	2.7	1	311212	04/06/23	04/06/23	TJW
Fluorene	ND		ug/Kg	10	2.6	1	311212	04/06/23	04/06/23	TJW
Phenanthrene	ND		ug/Kg	10	2.3	1	311212	04/06/23	04/06/23	TJW
Anthracene	ND		ug/Kg	10	1.8	1	311212	04/06/23	04/06/23	TJW
Fluoranthene	ND		ug/Kg	10	1.0	1	311212	04/06/23	04/06/23	TJW
Pyrene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(a)anthracene	ND		ug/Kg	10	0.95	1	311212	04/06/23	04/06/23	TJW
Chrysene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	1	311212	04/06/23	04/06/23	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	1	311212	04/06/23	04/06/23	TJW
Benzo(a)pyrene	ND		ug/Kg	10	2.0	1	311212	04/06/23	04/06/23	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	1	311212	04/06/23	04/06/23	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	1	311212	04/06/23	04/06/23	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	1	311212	04/06/23	04/06/23	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	78%		%REC	27-125		1	311212	04/06/23	04/06/23	TJW
2-Fluorobiphenyl	70%		%REC	30-120		1	311212	04/06/23	04/06/23	TJW
Terphenyl-d14	78%		%REC	33-155		1	311212	04/06/23	04/06/23	TJW

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482773

Sample ID: SB-37-3.0	Lab ID: 482773-068	Collected: 04/04/23 09:31
	Matrix: Soil	

482773-068 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.3**		mg/Kg	0.96	0.27	0.96	311136	04/05/23	04/05/23	JCP
Lead	**5.9**		mg/Kg	0.48	0.066	0.96	311136	04/05/23	04/05/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311222	04/06/23	04/07/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/07/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311222	04/06/23	04/07/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	1	311222	04/06/23	04/07/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	1	311222	04/06/23	04/07/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	1	311222	04/06/23	04/07/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311222	04/06/23	04/07/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/07/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/07/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311222	04/06/23	04/07/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311222	04/06/23	04/07/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311222	04/06/23	04/07/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311222	04/06/23	04/07/23	TRN
Methoxychlor	ND		ug/Kg	10	5.0	1	311222	04/06/23	04/07/23	TRN
Toxaphene	ND		ug/Kg	100	15	1	311222	04/06/23	04/07/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	1	311222	04/06/23	04/07/23	TRN
Surrogates				**Limits**						
TCMX	78%		%REC	23-120		1	311222	04/06/23	04/07/23	TRN
Decachlorobiphenyl	76%		%REC	24-120		1	311222	04/06/23	04/07/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-13-1.0	Lab ID: 482773-070	Collected: 04/04/23 12:56

482773-070 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD											
Arsenic	**0.69**		mg/L	0.30	0.019	WET Leachate	10	311941	04/20/23	04/20/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**79**		mg/Kg	0.97	0.73	Soil	0.97	311207	04/06/23	04/06/23	JCP
Lead	**26**		mg/Kg	0.49	0.089	Soil	0.97	311207	04/06/23	04/06/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	1.2	Soil	0.99	311222	04/06/23	04/10/23	TRN
beta-BHC	ND		ug/Kg	5.0	1.7	Soil	0.99	311222	04/06/23	04/10/23	TRN
gamma-BHC	ND		ug/Kg	5.0	1.0	Soil	0.99	311222	04/06/23	04/10/23	TRN
delta-BHC	ND		ug/Kg	5.0	1.3	Soil	0.99	311222	04/06/23	04/10/23	TRN
Heptachlor	ND		ug/Kg	5.0	1.5	Soil	0.99	311222	04/06/23	04/10/23	TRN
Aldrin	ND		ug/Kg	5.0	1.3	Soil	0.99	311222	04/06/23	04/10/23	TRN
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	Soil	0.99	311222	04/06/23	04/10/23	TRN
Endosulfan I	ND		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/10/23	TRN
Dieldrin	ND		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/10/23	TRN
4,4'-DDE	**2.0**	J	ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/10/23	TRN
Endrin	ND		ug/Kg	5.0	1.6	Soil	0.99	311222	04/06/23	04/10/23	TRN
Endosulfan II	ND		ug/Kg	5.0	1.6	Soil	0.99	311222	04/06/23	04/10/23	TRN
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	Soil	0.99	311222	04/06/23	04/10/23	TRN
4,4'-DDD	ND		ug/Kg	5.0	1.1	Soil	0.99	311222	04/06/23	04/10/23	TRN
Endrin aldehyde	ND		ug/Kg	5.0	1.7	Soil	0.99	311222	04/06/23	04/10/23	TRN
Endrin ketone	ND		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/10/23	TRN
4,4'-DDT	ND		ug/Kg	5.0	1.4	Soil	0.99	311222	04/06/23	04/10/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	Soil	0.99	311222	04/06/23	04/10/23	TRN
Toxaphene	ND		ug/Kg	99	15	Soil	0.99	311222	04/06/23	04/10/23	TRN
Chlordane (Technical)	ND		ug/Kg	50	11	Soil	0.99	311222	04/06/23	04/10/23	TRN
Surrogates				**Limits**							
TCMX	67%		%REC	23-120		Soil	0.99	311222	04/06/23	04/10/23	TRN
Decachlorobiphenyl	73%		%REC	24-120		Soil	0.99	311222	04/06/23	04/10/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: SB-13-3.0	Lab ID: 482773-071	Collected: 04/04/23 12:59
	Matrix: Soil	

482773-071 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.7**		mg/Kg	0.96	0.72	0.96	311207	04/06/23	04/06/23	JCP
Lead	**5.6**		mg/Kg	0.48	0.088	0.96	311207	04/06/23	04/06/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311222	04/06/23	04/10/23	TRN
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/10/23	TRN
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311222	04/06/23	04/10/23	TRN
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/10/23	TRN
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/10/23	TRN
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311222	04/06/23	04/10/23	TRN
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311222	04/06/23	04/10/23	TRN
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/10/23	TRN
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/10/23	TRN
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/10/23	TRN
Endrin	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/10/23	TRN
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311222	04/06/23	04/10/23	TRN
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311222	04/06/23	04/10/23	TRN
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311222	04/06/23	04/10/23	TRN
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311222	04/06/23	04/10/23	TRN
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/10/23	TRN
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311222	04/06/23	04/10/23	TRN
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311222	04/06/23	04/10/23	TRN
Toxaphene	ND		ug/Kg	99	15	0.99	311222	04/06/23	04/10/23	TRN
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311222	04/06/23	04/10/23	TRN
Surrogates				**Limits**						
TCMX	70%		%REC	23-120		0.99	311222	04/06/23	04/10/23	TRN
Decachlorobiphenyl	74%		%REC	24-120		0.99	311222	04/06/23	04/10/23	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482773

Sample ID: EB-230404	Lab ID: 482773-073	Collected: 04/04/23 14:50
	Matrix: Water	

482773-073 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Antimony	ND		mg/L	0.030	0.0063	1	311111	04/05/23	04/06/23	THP
Barium	**0.0026**	B,J	mg/L	0.010	0.00041	1	311111	04/05/23	04/06/23	THP
Beryllium	ND		mg/L	0.0050	0.0014	1	311111	04/05/23	04/06/23	THP
Cadmium	ND		mg/L	0.0050	0.00098	1	311111	04/05/23	04/06/23	THP
Chromium	**0.0014**	B,J	mg/L	0.010	0.00044	1	311111	04/05/23	04/06/23	THP
Cobalt	ND		mg/L	0.0050	0.0017	1	311111	04/05/23	04/06/23	THP
Copper	ND		mg/L	0.010	0.0043	1	311111	04/05/23	04/06/23	THP
Molybdenum	ND		mg/L	0.010	0.0044	1	311111	04/05/23	04/06/23	THP
Nickel	ND		mg/L	0.010	0.0025	1	311111	04/05/23	04/06/23	THP
Selenium	ND		mg/L	0.030	0.0020	1	311111	04/05/23	04/06/23	THP
Silver	ND		mg/L	0.0050	0.0010	1	311111	04/05/23	04/06/23	THP
Thallium	ND		mg/L	0.030	0.0082	1	311111	04/05/23	04/06/23	THP
Vanadium	ND		mg/L	0.010	0.0053	1	311111	04/05/23	04/06/23	THP
Zinc	**0.0081**	B,J	mg/L	0.050	0.0074	1	311111	04/05/23	04/06/23	THP
Method: EPA 6020 Prep Method: EPA 200.8										
Arsenic	ND		ug/L	2.0	0.037	1	311326	04/07/23	04/10/23	JCP
Lead	**0.30**	B,J	ug/L	5.0	0.038	1	311326	04/07/23	04/10/23	JCP
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	0.033	1	311152	04/05/23	04/06/23	KAM
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
beta-BHC	ND		ug/L	0.05	0.008	0.94	311399	04/09/23	04/09/23	TRN
gamma-BHC	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
delta-BHC	ND		ug/L	0.05	0.007	0.94	311399	04/09/23	04/09/23	TRN
Heptachlor	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
Aldrin	ND		ug/L	0.05	0.02	0.94	311399	04/09/23	04/09/23	TRN
Heptachlor epoxide	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
Endosulfan I	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
Dieldrin	ND		ug/L	0.09	0.01	0.94	311399	04/09/23	04/09/23	TRN
4,4'-DDE	ND		ug/L	0.09	0.01	0.94	311399	04/09/23	04/09/23	TRN
Endrin	ND		ug/L	0.09	0.01	0.94	311399	04/09/23	04/09/23	TRN
Endosulfan II	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
Endosulfan sulfate	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
4,4'-DDD	ND		ug/L	0.09	0.03	0.94	311399	04/09/23	04/09/23	TRN
Endrin aldehyde	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
Endrin ketone	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
4,4'-DDT	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482773

482773-073 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methoxychlor	ND		ug/L	0.09	0.03	0.94	311399	04/09/23	04/09/23	TRN
Toxaphene	ND		ug/L	1.9	0.3	0.94	311399	04/09/23	04/09/23	TRN
Chlordane (Technical)	ND		ug/L	0.9	0.3	0.94	311399	04/09/23	04/09/23	TRN
Surrogates				**Limits**						
TCMX	76%		%REC	14-120		0.94	311399	04/09/23	04/09/23	TRN
Decachlorobiphenyl	77%		%REC	20-120		0.94	311399	04/09/23	04/09/23	TRN
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	0.47	0.14	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1221	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1232	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1242	ND		ug/L	0.47	0.16	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1248	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1254	ND		ug/L	0.47	0.26	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1260	ND		ug/L	0.47	0.19	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1262	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1268	ND		ug/L	0.47	0.12	0.94	311399	04/09/23	04/09/23	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	94%		%REC	18-126		0.94	311399	04/09/23	04/09/23	TRN
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	0.48	0.35	0.97	311404	04/09/23	04/10/23	VTN
2-Methylnaphthalene	ND		ug/L	0.48	0.36	0.97	311404	04/09/23	04/10/23	VTN
Naphthalene	ND		ug/L	0.48	0.36	0.97	311404	04/09/23	04/10/23	VTN
Acenaphthylene	ND		ug/L	0.48	0.34	0.97	311404	04/09/23	04/10/23	VTN
Acenaphthene	ND		ug/L	0.48	0.32	0.97	311404	04/09/23	04/10/23	VTN
Fluorene	ND		ug/L	0.48	0.34	0.97	311404	04/09/23	04/10/23	VTN
Phenanthrene	ND		ug/L	0.48	0.26	0.97	311404	04/09/23	04/10/23	VTN
Anthracene	ND		ug/L	0.48	0.26	0.97	311404	04/09/23	04/10/23	VTN
Fluoranthene	ND		ug/L	0.48	0.30	0.97	311404	04/09/23	04/10/23	VTN
Pyrene	ND		ug/L	0.48	0.31	0.97	311404	04/09/23	04/10/23	VTN
Benzo(a)anthracene	ND		ug/L	0.48	0.27	0.97	311404	04/09/23	04/10/23	VTN
Chrysene	ND		ug/L	0.48	0.30	0.97	311404	04/09/23	04/10/23	VTN
Benzo(b)fluoranthene	ND		ug/L	0.48	0.30	0.97	311404	04/09/23	04/10/23	VTN
Benzo(k)fluoranthene	ND		ug/L	0.48	0.32	0.97	311404	04/09/23	04/10/23	VTN
Benzo(a)pyrene	ND		ug/L	0.48	0.28	0.97	311404	04/09/23	04/10/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.48	0.28	0.97	311404	04/09/23	04/10/23	VTN
Dibenz(a,h)anthracene	ND		ug/L	0.48	0.27	0.97	311404	04/09/23	04/10/23	VTN
Benzo(g,h,i)perylene	ND		ug/L	0.48	0.27	0.97	311404	04/09/23	04/10/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	79%		%REC	16-125		0.97	311404	04/09/23	04/10/23	VTN
2-Fluorobiphenyl	71%		%REC	17-120		0.97	311404	04/09/23	04/10/23	VTN
Terphenyl-d14	77%		%REC	39-123		0.97	311404	04/09/23	04/10/23	VTN

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482773

*	Value is outside QC limits
B	Contamination found in associated Method Blank
C	Presence confirmed, but RPD between columns exceeds 40%
J	Estimated value
ND	Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1056418**	**Batch: 311111**
Matrix: Water	**Method: EPA 6010B**	**Prep Method: EPA 3010A**

QC1056418 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/L	0.030	0.0063	04/05/23	04/06/23
Barium	0.00066	J	mg/L	0.010	0.00041	04/05/23	04/06/23
Beryllium	ND		mg/L	0.0050	0.0013	04/05/23	04/06/23
Cadmium	ND		mg/L	0.0050	0.00098	04/05/23	04/06/23
Chromium	0.00079	J	mg/L	0.010	0.00044	04/05/23	04/06/23
Cobalt	ND		mg/L	0.0050	0.0017	04/05/23	04/06/23
Copper	ND		mg/L	0.010	0.0043	04/05/23	04/06/23
Molybdenum	ND		mg/L	0.010	0.0044	04/05/23	04/06/23
Nickel	ND		mg/L	0.010	0.0025	04/05/23	04/06/23
Selenium	ND		mg/L	0.030	0.0020	04/05/23	04/06/23
Silver	ND		mg/L	0.0050	0.0010	04/05/23	04/06/23
Thallium	ND		mg/L	0.030	0.0082	04/05/23	04/06/23
Vanadium	ND		mg/L	0.010	0.0053	04/05/23	04/06/23
Zinc	0.015	J	mg/L	0.050	0.0074	04/05/23	04/06/23

Type: Lab Control Sample	**Lab ID: QC1056419**	**Batch: 311111**
Matrix: Water	**Method: EPA 6010B**	**Prep Method: EPA 3010A**

QC1056419 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	0.4309	0.4000	mg/L	108%		80-120
Barium	0.4420	0.4000	mg/L	110%		80-120
Beryllium	0.3617	0.4000	mg/L	90%		80-120
Cadmium	0.4235	0.4000	mg/L	106%		80-120
Chromium	0.4759	0.4000	mg/L	119%		80-120
Cobalt	0.4642	0.4000	mg/L	116%		80-120
Copper	0.4210	0.4000	mg/L	105%		80-120
Molybdenum	0.4519	0.4000	mg/L	113%		80-120
Nickel	0.4624	0.4000	mg/L	116%		80-120
Selenium	0.3851	0.4000	mg/L	96%		80-120
Silver	0.2045	0.2000	mg/L	102%		80-120
Thallium	0.4551	0.4000	mg/L	114%	b	80-120
Vanadium	0.4463	0.4000	mg/L	112%		80-120
Zinc	0.4800	0.4000	mg/L	120%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1056420	Batch:	311111
Matrix (Source ID):	Water (482737-006)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1056420 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	0.4256	ND	0.4000	mg/L	106%		75-125	1
Barium	0.4355	0.0008587	0.4000	mg/L	109%		75-125	1
Beryllium	0.3956	ND	0.4000	mg/L	99%		75-125	1
Cadmium	0.4199	ND	0.4000	mg/L	105%		75-125	1
Chromium	0.4687	0.0009959	0.4000	mg/L	117%		75-125	1
Cobalt	0.4554	ND	0.4000	mg/L	114%		75-125	1
Copper	0.4161	ND	0.4000	mg/L	104%		75-125	1
Molybdenum	0.4447	ND	0.4000	mg/L	111%		75-125	1
Nickel	0.4568	ND	0.4000	mg/L	114%		75-125	1
Selenium	0.3793	ND	0.4000	mg/L	95%		75-125	1
Silver	0.2017	ND	0.2000	mg/L	101%		75-125	1
Thallium	0.4516	ND	0.4000	mg/L	113%	b	75-125	1
Vanadium	0.4408	ND	0.4000	mg/L	110%		75-125	1
Zinc	0.4709	0.009543	0.4000	mg/L	115%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1056421	Batch:	311111
Matrix (Source ID):	Water (482737-006)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1056421 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	0.4256	ND	0.4000	mg/L	106%		75-125	0	20	1
Barium	0.4346	0.0008587	0.4000	mg/L	108%		75-125	0	20	1
Beryllium	0.3965	ND	0.4000	mg/L	99%		75-125	0	20	1
Cadmium	0.4199	ND	0.4000	mg/L	105%		75-125	0	20	1
Chromium	0.4718	0.0009959	0.4000	mg/L	118%		75-125	1	20	1
Cobalt	0.4591	ND	0.4000	mg/L	115%		75-125	1	20	1
Copper	0.4258	ND	0.4000	mg/L	106%		75-125	2	20	1
Molybdenum	0.4477	ND	0.4000	mg/L	112%		75-125	1	20	1
Nickel	0.4594	ND	0.4000	mg/L	115%		75-125	1	20	1
Selenium	0.3871	ND	0.4000	mg/L	97%		75-125	2	20	1
Silver	0.2058	ND	0.2000	mg/L	103%		75-125	2	20	1
Thallium	0.4561	ND	0.4000	mg/L	114%	b	75-125	1	20	1
Vanadium	0.4492	ND	0.4000	mg/L	112%		75-125	2	20	1
Zinc	0.4705	0.009543	0.4000	mg/L	115%		75-125	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1059935	Batch: 312183
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1059935 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.015	0.0036	04/20/23	04/21/23

Type: Lab Control Sample	Lab ID: QC1059936	Batch: 312183
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1059936 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	1.862	2.000	mg/L	93%		80-120

Type: Matrix Spike	Lab ID: QC1060013	Batch: 312183
Matrix (Source ID): TCLP Leachate (482542-024)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1060013 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	1.858	ND	2.000	mg/L	93%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1060014	Batch: 312183
Matrix (Source ID): TCLP Leachate (482542-024)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1060014 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	1.892	ND	2.000	mg/L	95%		75-125	2	20	1

Type: Blank	Lab ID: QC1059160	Batch: 311941
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1059160 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/L	0.30	0.019	04/20/23	04/20/23
Lead	ND		mg/L	0.15	0.036	04/20/23	04/20/23

Type: Lab Control Sample	Lab ID: QC1059161	Batch: 311941
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1059161 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	4.163	4.000	mg/L	104%		80-120
Lead	4.394	4.000	mg/L	110%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	**Lab ID:** QC1059162	**Batch:** 311941
Matrix: WET Leachate	**Method:** EPA 6010B	**Prep Method:** METHOD

QC1059162 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Arsenic	4.261	4.000	mg/L	107%		80-120	2	20
Lead	4.460	4.000	mg/L	111%		80-120	1	20

Type: Blank	**Lab ID:** QC1056454	**Batch:** 311121
Matrix: Soil	**Method:** EPA 6010B	**Prep Method:** EPA 3050B

QC1056454 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	0.78	04/05/23	04/07/23
Barium	ND		mg/Kg	1.0	0.12	04/05/23	04/07/23
Beryllium	ND		mg/Kg	0.50	0.030	04/05/23	04/07/23
Cadmium	ND		mg/Kg	0.50	0.036	04/05/23	04/07/23
Chromium	0.14	J	mg/Kg	1.0	0.095	04/05/23	04/07/23
Cobalt	ND		mg/Kg	0.50	0.11	04/05/23	04/07/23
Copper	ND		mg/Kg	1.0	0.25	04/05/23	04/07/23
Molybdenum	ND		mg/Kg	1.0	0.18	04/05/23	04/07/23
Nickel	ND		mg/Kg	1.0	0.18	04/05/23	04/07/23
Selenium	ND		mg/Kg	3.0	0.37	04/05/23	04/07/23
Silver	ND		mg/Kg	0.50	0.25	04/05/23	04/07/23
Vanadium	ND		mg/Kg	1.0	0.081	04/05/23	04/07/23
Zinc	0.27	J	mg/Kg	5.0	0.17	04/05/23	04/07/23

Type: Lab Control Sample	**Lab ID:** QC1056455	**Batch:** 311121
Matrix: Soil	**Method:** EPA 6010B	**Prep Method:** EPA 3050B

QC1056455 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	93.68	100.0	mg/Kg	94%		80-120
Barium	99.38	100.0	mg/Kg	99%		80-120
Beryllium	96.08	100.0	mg/Kg	96%		80-120
Cadmium	100.2	100.0	mg/Kg	100%		80-120
Chromium	99.42	100.0	mg/Kg	99%		80-120
Cobalt	100.4	100.0	mg/Kg	100%		80-120
Copper	98.53	100.0	mg/Kg	99%		80-120
Molybdenum	94.15	100.0	mg/Kg	94%		80-120
Nickel	99.44	100.0	mg/Kg	99%		80-120
Selenium	98.24	100.0	mg/Kg	98%		80-120
Silver	50.56	50.00	mg/Kg	101%		80-120
Vanadium	95.70	100.0	mg/Kg	96%		80-120
Zinc	101.3	100.0	mg/Kg	101%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056456**	**Batch:**	**311121**
Matrix (Source ID):	**Soil (482737-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1056456 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	71.65	ND	96.15	mg/Kg	75%		75-125	0.96
Barium	139.9	37.21	96.15	mg/Kg	107%		75-125	0.96
Beryllium	100.5	ND	96.15	mg/Kg	105%		75-125	0.96
Cadmium	104.7	ND	96.15	mg/Kg	109%		75-125	0.96
Chromium	108.7	4.282	96.15	mg/Kg	109%		75-125	0.96
Cobalt	105.1	1.230	96.15	mg/Kg	108%		75-125	0.96
Copper	96.59	1.575	96.15	mg/Kg	99%		75-125	0.96
Molybdenum	96.85	ND	96.15	mg/Kg	101%		75-125	0.96
Nickel	103.9	1.728	96.15	mg/Kg	106%		75-125	0.96
Selenium	94.55	ND	96.15	mg/Kg	98%		75-125	0.96
Silver	45.98	ND	48.08	mg/Kg	96%		75-125	0.96
Vanadium	112.5	11.04	96.15	mg/Kg	105%		75-125	0.96
Zinc	114.4	8.780	96.15	mg/Kg	110%		75-125	0.96

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056457**	**Batch:**	**311121**
Matrix (Source ID):	**Soil (482737-001)**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1056457 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	70.58	ND	99.01	mg/Kg	71%	*	75-125	4	41	0.99
Barium	134.8	37.21	99.01	mg/Kg	99%		75-125	6	20	0.99
Beryllium	98.61	ND	99.01	mg/Kg	100%		75-125	5	20	0.99
Cadmium	103.5	ND	99.01	mg/Kg	104%		75-125	4	20	0.99
Chromium	106.2	4.282	99.01	mg/Kg	103%		75-125	5	20	0.99
Cobalt	103.3	1.230	99.01	mg/Kg	103%		75-125	5	20	0.99
Copper	94.61	1.575	99.01	mg/Kg	94%		75-125	5	20	0.99
Molybdenum	95.00	ND	99.01	mg/Kg	96%		75-125	5	20	0.99
Nickel	101.7	1.728	99.01	mg/Kg	101%		75-125	5	20	0.99
Selenium	92.95	ND	99.01	mg/Kg	94%		75-125	5	20	0.99
Silver	45.19	ND	49.50	mg/Kg	91%		75-125	5	20	0.99
Vanadium	110.1	11.04	99.01	mg/Kg	100%		75-125	5	20	0.99
Zinc	113.3	8.780	99.01	mg/Kg	106%		75-125	4	20	0.99

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1056710**	**Batch: 311205**
Matrix: Miscell.	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1056710 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	0.78	04/06/23	04/07/23
Barium	ND		mg/Kg	1.0	0.12	04/06/23	04/07/23
Beryllium	ND		mg/Kg	0.50	0.030	04/06/23	04/07/23
Cadmium	ND		mg/Kg	0.50	0.036	04/06/23	04/07/23
Chromium	0.18	J	mg/Kg	1.0	0.095	04/06/23	04/07/23
Cobalt	ND		mg/Kg	0.50	0.11	04/06/23	04/07/23
Copper	ND		mg/Kg	1.0	0.25	04/06/23	04/07/23
Molybdenum	ND		mg/Kg	1.0	0.18	04/06/23	04/07/23
Nickel	ND		mg/Kg	1.0	0.18	04/06/23	04/07/23
Selenium	0.38	J	mg/Kg	3.0	0.37	04/06/23	04/07/23
Silver	ND		mg/Kg	0.50	0.25	04/06/23	04/07/23
Vanadium	ND		mg/Kg	1.0	0.081	04/06/23	04/07/23
Zinc	0.25	J	mg/Kg	5.0	0.17	04/06/23	04/07/23

Type: Lab Control Sample	**Lab ID: QC1056711**	**Batch: 311205**
Matrix: Miscell.	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1056711 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	93.35	100.0	mg/Kg	93%		80-120
Barium	100.7	100.0	mg/Kg	101%		80-120
Beryllium	97.43	100.0	mg/Kg	97%		80-120
Cadmium	101.4	100.0	mg/Kg	101%		80-120
Chromium	101.2	100.0	mg/Kg	101%		80-120
Cobalt	102.5	100.0	mg/Kg	102%		80-120
Copper	92.20	100.0	mg/Kg	92%		80-120
Molybdenum	95.56	100.0	mg/Kg	96%		80-120
Nickel	99.84	100.0	mg/Kg	100%		80-120
Selenium	86.75	100.0	mg/Kg	87%		80-120
Silver	45.42	50.00	mg/Kg	91%		80-120
Vanadium	97.64	100.0	mg/Kg	98%		80-120
Zinc	101.3	100.0	mg/Kg	101%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1056712	Batch:	311205
Matrix (Source ID):	Soil (482773-016)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1056712 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	20.53	ND	96.15	mg/Kg	21%	*	75-125	0.96
Barium	228.8	111.5	96.15	mg/Kg	122%		75-125	0.96
Beryllium	92.92	0.4932	96.15	mg/Kg	96%		75-125	0.96
Cadmium	94.60	0.3060	96.15	mg/Kg	98%		75-125	0.96
Chromium	125.4	26.30	96.15	mg/Kg	103%		75-125	0.96
Cobalt	103.8	9.282	96.15	mg/Kg	98%		75-125	0.96
Copper	115.5	18.80	96.15	mg/Kg	101%		75-125	0.96
Molybdenum	85.99	0.3892	96.15	mg/Kg	89%		75-125	0.96
Nickel	112.4	18.44	96.15	mg/Kg	98%		75-125	0.96
Selenium	81.96	ND	96.15	mg/Kg	85%		75-125	0.96
Silver	42.98	ND	48.08	mg/Kg	89%		75-125	0.96
Vanadium	148.5	46.50	96.15	mg/Kg	106%		75-125	0.96
Zinc	158.0	57.98	96.15	mg/Kg	104%		75-125	0.96

Type:	Matrix Spike Duplicate	Lab ID:	QC1056713	Batch:	311205
Matrix (Source ID):	Soil (482773-016)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1056713 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	21.99	ND	97.09	mg/Kg	23%	*	75-125	6	41	0.97
Barium	217.9	111.5	97.09	mg/Kg	110%		75-125	5	20	0.97
Beryllium	92.84	0.4932	97.09	mg/Kg	95%		75-125	1	20	0.97
Cadmium	94.67	0.3060	97.09	mg/Kg	97%		75-125	1	20	0.97
Chromium	123.6	26.30	97.09	mg/Kg	100%		75-125	2	20	0.97
Cobalt	104.4	9.282	97.09	mg/Kg	98%		75-125	0	20	0.97
Copper	113.4	18.80	97.09	mg/Kg	97%		75-125	3	20	0.97
Molybdenum	87.09	0.3892	97.09	mg/Kg	89%		75-125	0	20	0.97
Nickel	111.3	18.44	97.09	mg/Kg	96%		75-125	2	20	0.97
Selenium	82.22	ND	97.09	mg/Kg	85%		75-125	1	20	0.97
Silver	42.85	ND	48.54	mg/Kg	88%		75-125	1	20	0.97
Vanadium	145.4	46.50	97.09	mg/Kg	102%		75-125	3	20	0.97
Zinc	153.4	57.98	97.09	mg/Kg	98%		75-125	4	20	0.97

Type:	Blank	Lab ID:	QC1057081	Batch:	311326
Matrix:	Water	Method:	EPA 6020	Prep Method:	EPA 200.8

QC1057081 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		ug/L	2.0	0.22	04/07/23	04/08/23
Lead	0.21	J	ug/L	5.0	0.038	04/07/23	04/10/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1057082	Batch: 311326
Matrix: Water	Method: EPA 6020	Prep Method: EPA 200.8

QC1057082 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	99.34	100.0	ug/L	99%		80-120
Lead	96.93	100.0	ug/L	97%		80-120

Type: Matrix Spike	Lab ID: QC1057083	Batch: 311326
Matrix (Source ID): Water (482773-073)	Method: EPA 6020	Prep Method: EPA 200.8

QC1057083 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	104.5	ND	100.0	ug/L	105%		75-125	1
Lead	102.3	0.3042	100.0	ug/L	102%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1057084	Batch: 311326
Matrix (Source ID): Water (482773-073)	Method: EPA 6020	Prep Method: EPA 200.8

QC1057084 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	104.2	ND	100.0	ug/L	104%		75-125	0	20	1
Lead	99.96	0.3042	100.0	ug/L	100%		75-125	2	20	1

Type: Blank	Lab ID: QC1056468	Batch: 311129
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056468 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.21	04/05/23	04/05/23
Lead	ND		mg/Kg	0.50	0.091	04/05/23	04/05/23
Thallium	ND		mg/Kg	1.0	0.47	04/05/23	04/05/23

Type: Lab Control Sample	Lab ID: QC1056469	Batch: 311129
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056469 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	52.77	50.00	mg/Kg	106%		80-120
Lead	49.11	50.00	mg/Kg	98%		80-120
Thallium	48.18	50.00	mg/Kg	96%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	Lab ID: QC1056470	Batch: 311129
Matrix (Source ID): Soil (482637-001)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056470 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	53.26	8.740	48.54	mg/Kg	92%		75-125	0.97
Lead	447.6	433.3	48.54	mg/Kg	29%	NM	75-125	9.7
Thallium	42.99	ND	48.54	mg/Kg	89%		75-125	0.97

Type: Matrix Spike Duplicate	Lab ID: QC1056471	Batch: 311129
Matrix (Source ID): Soil (482637-001)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056471 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	53.25	8.740	48.08	mg/Kg	93%		75-125	1	20	0.96
Lead	602.8	433.3	48.08	mg/Kg	353%	NM	75-125	30*	20	9.6
Thallium	42.32	ND	48.08	mg/Kg	88%		75-125	1	20	0.96

Type: Blank	Lab ID: QC1056486	Batch: 311135
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056486 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.28	04/05/23	04/05/23
Lead	0.27	J	mg/Kg	0.50	0.068	04/05/23	04/05/23
Thallium	ND		mg/Kg	1.0	0.14	04/05/23	04/05/23

Type: Lab Control Sample	Lab ID: QC1056487	Batch: 311135
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056487 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	49.26	50.00	mg/Kg	99%		80-120
Lead	49.79	50.00	mg/Kg	100%		80-120
Thallium	48.81	50.00	mg/Kg	98%		80-120

Type: Matrix Spike	Lab ID: QC1056488	Batch: 311135
Matrix (Source ID): Soil (482773-010)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056488 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	52.10	5.686	48.54	mg/Kg	96%		75-125	0.97
Lead	52.82	5.696	48.54	mg/Kg	97%		75-125	0.97
Thallium	47.27	0.2892	48.54	mg/Kg	97%		75-125	0.97

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1056489	Batch:	311135
Matrix (Source ID):	Soil (482773-010)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056489 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	51.26	5.686	48.08	mg/Kg	95%		75-125	1	20	0.96
Lead	51.72	5.696	48.08	mg/Kg	96%		75-125	1	20	0.96
Thallium	46.43	0.2892	48.08	mg/Kg	96%		75-125	1	20	0.96

Type:	Blank	Lab ID:	QC1056495	Batch:	311136
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056495 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.28	04/05/23	04/05/23
Lead	ND		mg/Kg	0.50	0.068	04/05/23	04/05/23
Thallium	ND		mg/Kg	1.0	0.14	04/05/23	04/05/23

Type:	Lab Control Sample	Lab ID:	QC1056496	Batch:	311136
Matrix:	Soil	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056496 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	48.72	50.00	mg/Kg	97%		80-120
Lead	49.44	50.00	mg/Kg	99%		80-120
Thallium	48.94	50.00	mg/Kg	98%		80-120

Type:	Matrix Spike	Lab ID:	QC1056497	Batch:	311136
Matrix (Source ID):	Soil (482773-040)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056497 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	50.43	5.006	48.54	mg/Kg	94%		75-125	0.97
Lead	51.34	5.609	48.54	mg/Kg	94%		75-125	0.97
Thallium	45.42	0.2737	48.54	mg/Kg	93%		75-125	0.97

Type:	Matrix Spike Duplicate	Lab ID:	QC1056498	Batch:	311136
Matrix (Source ID):	Soil (482773-040)	Method:	EPA 6020	Prep Method:	EPA 3050B

QC1056498 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	51.21	5.006	47.62	mg/Kg	97%		75-125	3	20	0.95
Lead	51.11	5.609	47.62	mg/Kg	96%		75-125	1	20	0.95
Thallium	45.65	0.2737	47.62	mg/Kg	95%		75-125	2	20	0.95

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1056717	Batch: 311207
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056717 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.75	04/06/23	04/06/23
Lead	ND		mg/Kg	0.50	0.091	04/06/23	04/06/23
Thallium	ND		mg/Kg	1.0	0.47	04/06/23	04/06/23

Type: Lab Control Sample	Lab ID: QC1056718	Batch: 311207
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056718 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	53.06	50.00	mg/Kg	106%		80-120
Lead	50.15	50.00	mg/Kg	100%		80-120
Thallium	49.57	50.00	mg/Kg	99%		80-120

Type: Matrix Spike	Lab ID: QC1056719	Batch: 311207
Matrix (Source ID): Soil (482773-070)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056719 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	105.8	79.46	47.62	mg/Kg	55%	*	75-125	0.95
Lead	83.37	26.21	47.62	mg/Kg	120%		75-125	0.95
Thallium	47.54	ND	47.62	mg/Kg	100%		75-125	0.95

Type: Matrix Spike Duplicate	Lab ID: QC1056720	Batch: 311207
Matrix (Source ID): Soil (482773-070)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056720 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	119.6	79.46	47.62	mg/Kg	84%		75-125	12	20	0.95
Lead	86.80	26.21	47.62	mg/Kg	127%	*	75-125	4	20	0.95
Thallium	46.57	ND	47.62	mg/Kg	98%		75-125	2	20	0.95

Type: Blank	Lab ID: QC1059586	Batch: 312077
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1059586 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/Kg	1.0	0.091	04/19/23	04/19/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1059587	Batch: 312077
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1059587 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	95.89	100.0	mg/Kg	96%		80-120

Type: Matrix Spike	Lab ID: QC1059588	Batch: 312077
Matrix (Source ID): Soil (482773-063)	Method: EPA 6020	Prep Method: EPA 3050B

QC1059588 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	101.5	8.157	98.04	mg/Kg	95%		75-125	0.98

Type: Matrix Spike Duplicate	Lab ID: QC1059589	Batch: 312077
Matrix (Source ID): Soil (482773-063)	Method: EPA 6020	Prep Method: EPA 3050B

QC1059589 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	108.3	8.157	99.01	mg/Kg	101%		75-125	6	20	0.99

Type: Blank	Lab ID: QC1056532	Batch: 311152
Matrix: Water	Method: EPA 7470A	Prep Method: METHOD

QC1056532 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.033	04/05/23	04/06/23

Type: Lab Control Sample	Lab ID: QC1056533	Batch: 311152
Matrix: Water	Method: EPA 7470A	Prep Method: METHOD

QC1056533 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.992	5.000	ug/L	100%		80-120

Type: Matrix Spike	Lab ID: QC1056534	Batch: 311152
Matrix (Source ID): Water (482710-001)	Method: EPA 7470A	Prep Method: METHOD

QC1056534 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.072	ND	5.000	ug/L	101%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1056535	Batch:	311152
Matrix (Source ID):	Water (482710-001)	Method:	EPA 7470A	Prep Method:	METHOD

QC1056535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.980	ND	5.000	ug/L	100%		75-125	2	20	1

Type:	Blank	Lab ID:	QC1056684	Batch:	311199
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC1056684 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.0050	04/06/23	04/06/23

Type:	Lab Control Sample	Lab ID:	QC1056685	Batch:	311199
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC1056685 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8565	0.8333	mg/Kg	103%		80-120

Type:	Matrix Spike	Lab ID:	QC1056686	Batch:	311199
Matrix (Source ID):	Soil (482737-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC1056686 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9054	ND	0.8621	mg/Kg	105%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1056687	Batch:	311199
Matrix (Source ID):	Soil (482737-001)	Method:	EPA 7471A	Prep Method:	METHOD

QC1056687 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8808	ND	0.8621	mg/Kg	102%		75-125	3	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1057353	Batch: 311399
Matrix: Water		

QC1057353 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.01	04/09/23	04/09/23
beta-BHC	ND		ug/L	0.05	0.008	04/09/23	04/09/23
gamma-BHC	ND		ug/L	0.05	0.01	04/09/23	04/09/23
delta-BHC	ND		ug/L	0.05	0.007	04/09/23	04/09/23
Heptachlor	ND		ug/L	0.05	0.01	04/09/23	04/09/23
Aldrin	ND		ug/L	0.05	0.02	04/09/23	04/09/23
Heptachlor epoxide	ND		ug/L	0.05	0.01	04/09/23	04/09/23
Endosulfan I	ND		ug/L	0.05	0.01	04/09/23	04/09/23
Dieldrin	ND		ug/L	0.1	0.01	04/09/23	04/09/23
4,4'-DDE	ND		ug/L	0.1	0.01	04/09/23	04/09/23
Endrin	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Endosulfan II	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Endosulfan sulfate	ND		ug/L	0.1	0.02	04/09/23	04/09/23
4,4'-DDD	ND		ug/L	0.1	0.03	04/09/23	04/09/23
Endrin aldehyde	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Endrin ketone	ND		ug/L	0.1	0.02	04/09/23	04/09/23
4,4'-DDT	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Methoxychlor	ND		ug/L	0.1	0.03	04/09/23	04/09/23
Toxaphene	ND		ug/L	2.0	0.3	04/09/23	04/09/23
Chlordane (Technical)	ND		ug/L	1.0	0.3	04/09/23	04/09/23
Surrogates				**Limits**			
TCMX	74%		%REC	14-120		04/09/23	04/09/23
Decachlorobiphenyl	87%		%REC	20-120		04/09/23	04/09/23
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.15	04/09/23	04/09/23
Aroclor-1221	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1232	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1242	ND		ug/L	0.50	0.17	04/09/23	04/09/23
Aroclor-1248	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1254	ND		ug/L	0.50	0.27	04/09/23	04/09/23
Aroclor-1260	ND		ug/L	0.50	0.20	04/09/23	04/09/23
Aroclor-1262	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1268	ND		ug/L	0.50	0.12	04/09/23	04/09/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	108%		%REC	18-126		04/09/23	04/09/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1057354**	**Batch: 311399**
Matrix: Water	**Method: EPA 8081A**	**Prep Method: EPA 3510C**

QC1057354 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5565	0.5000	ug/L	111%		53-120
beta-BHC	0.5279	0.5000	ug/L	106%		59-120
gamma-BHC	0.5396	0.5000	ug/L	108%		54-120
delta-BHC	0.5573	0.5000	ug/L	111%		58-120
Heptachlor	0.5233	0.5000	ug/L	105%		49-120
Aldrin	0.5189	0.5000	ug/L	104%		47-120
Heptachlor epoxide	0.5439	0.5000	ug/L	109%		53-120
Endosulfan I	0.5626	0.5000	ug/L	113%		56-120
Dieldrin	0.5143	0.5000	ug/L	103%		55-120
4,4'-DDE	0.5372	0.5000	ug/L	107%		55-120
Endrin	0.5499	0.5000	ug/L	110%		57-120
Endosulfan II	0.5249	0.5000	ug/L	105%		58-120
Endosulfan sulfate	0.4922	0.5000	ug/L	98%		56-120
4,4'-DDD	0.5456	0.5000	ug/L	109%		53-120
Endrin aldehyde	0.4481	0.5000	ug/L	90%		45-120
Endrin ketone	0.5069	0.5000	ug/L	101%		61-120
4,4'-DDT	0.4926	0.5000	ug/L	99%		58-120
Methoxychlor	0.4710	0.5000	ug/L	94%	#	54-120
Surrogates						
TCMX	0.3222	0.5000	ug/L	64%		14-120
Decachlorobiphenyl	0.4250	0.5000	ug/L	85%		20-120

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1057355	Batch: 311399
Matrix: Water	Method: EPA 8081A	Prep Method: EPA 3510C

QC1057355 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.4718	0.5000	ug/L	94%		53-120	16	20
beta-BHC	0.4526	0.5000	ug/L	91%		59-120	15	20
gamma-BHC	0.4623	0.5000	ug/L	92%		54-120	15	20
delta-BHC	0.4757	0.5000	ug/L	95%		58-120	16	20
Heptachlor	0.4492	0.5000	ug/L	90%		49-120	15	20
Aldrin	0.4433	0.5000	ug/L	89%		47-120	16	20
Heptachlor epoxide	0.4662	0.5000	ug/L	93%		53-120	15	20
Endosulfan I	0.4811	0.5000	ug/L	96%		56-120	16	20
Dieldrin	0.4369	0.5000	ug/L	87%		55-120	16	20
4,4'-DDE	0.4644	0.5000	ug/L	93%		55-120	15	20
Endrin	0.4580	0.5000	ug/L	92%		57-120	18	20
Endosulfan II	0.4441	0.5000	ug/L	89%		58-120	17	20
Endosulfan sulfate	0.4137	0.5000	ug/L	83%		56-120	17	20
4,4'-DDD	0.4617	0.5000	ug/L	92%		53-120	17	20
Endrin aldehyde	0.3819	0.5000	ug/L	76%		45-120	16	20
Endrin ketone	0.4264	0.5000	ug/L	85%		61-120	17	20
4,4'-DDT	0.4209	0.5000	ug/L	84%		58-120	16	20
Methoxychlor	0.3958	0.5000	ug/L	79%	#	54-120	17	20
Surrogates								
TCMX	0.2706	0.5000	ug/L	54%		14-120		
Decachlorobiphenyl	0.3564	0.5000	ug/L	71%		20-120		

Type: Lab Control Sample	Lab ID: QC1057356	Batch: 311399
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1057356 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.870	5.000	ug/L	97%		36-143
Aroclor-1260	5.395	5.000	ug/L	108%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.4773	0.5000	ug/L	95%		18-126

Type: Lab Control Sample Duplicate	Lab ID: QC1057357	Batch: 311399
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1057357 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	5.231	5.000	ug/L	105%		36-143	7	39
Aroclor-1260	5.799	5.000	ug/L	116%		31-153	7	20
Surrogates								
Decachlorobiphenyl (PCB)	0.5030	0.5000	ug/L	101%		18-126		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1056568	Batch: 311163
Matrix: Soil		

QC1056568 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	4.9	1.2	04/05/23	04/06/23
beta-BHC	ND		ug/Kg	4.9	1.7	04/05/23	04/06/23
gamma-BHC	ND		ug/Kg	4.9	1.0	04/05/23	04/06/23
delta-BHC	ND		ug/Kg	4.9	1.3	04/05/23	04/06/23
Heptachlor	ND		ug/Kg	4.9	1.5	04/05/23	04/06/23
Aldrin	ND		ug/Kg	4.9	1.3	04/05/23	04/06/23
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	04/05/23	04/06/23
Endosulfan I	ND		ug/Kg	4.9	1.4	04/05/23	04/06/23
Dieldrin	ND		ug/Kg	4.9	1.4	04/05/23	04/06/23
4,4'-DDE	ND		ug/Kg	4.9	1.4	04/05/23	04/06/23
Endrin	ND		ug/Kg	4.9	1.5	04/05/23	04/06/23
Endosulfan II	ND		ug/Kg	4.9	1.5	04/05/23	04/06/23
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	04/05/23	04/06/23
4,4'-DDD	ND		ug/Kg	4.9	1.1	04/05/23	04/06/23
Endrin aldehyde	ND		ug/Kg	4.9	1.7	04/05/23	04/06/23
Endrin ketone	ND		ug/Kg	4.9	1.4	04/05/23	04/06/23
4,4'-DDT	ND		ug/Kg	4.9	1.4	04/05/23	04/06/23
Methoxychlor	ND		ug/Kg	9.9	5.0	04/05/23	04/06/23
Toxaphene	ND		ug/Kg	99	15	04/05/23	04/06/23
Chlordane (Technical)	ND		ug/Kg	49	11	04/05/23	04/06/23
Surrogates				**Limits**			
TCMX	100%		%REC	23-120		04/05/23	04/06/23
Decachlorobiphenyl	120%		%REC	24-120		04/05/23	04/06/23
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	49	14	04/05/23	04/06/23
Aroclor-1221	ND		ug/Kg	49	22	04/05/23	04/06/23
Aroclor-1232	ND		ug/Kg	49	18	04/05/23	04/06/23
Aroclor-1242	ND		ug/Kg	49	18	04/05/23	04/06/23
Aroclor-1248	ND		ug/Kg	49	21	04/05/23	04/06/23
Aroclor-1254	ND		ug/Kg	49	6.5	04/05/23	04/06/23
Aroclor-1260	ND		ug/Kg	49	24	04/05/23	04/06/23
Aroclor-1262	ND		ug/Kg	49	16	04/05/23	04/06/23
Aroclor-1268	ND		ug/Kg	49	13	04/05/23	04/06/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	105%		%REC	19-121		04/05/23	04/06/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1056569**	**Batch: 311163**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1056569 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	57.76	49.90	ug/Kg	116%		22-129
beta-BHC	54.57	49.90	ug/Kg	109%		28-125
gamma-BHC	56.47	49.90	ug/Kg	113%		22-128
delta-BHC	56.98	49.90	ug/Kg	114%		24-131
Heptachlor	56.75	49.90	ug/Kg	114%		18-124
Aldrin	52.26	49.90	ug/Kg	105%		23-120
Heptachlor epoxide	58.44	49.90	ug/Kg	117%		26-120
Endosulfan I	60.84	49.90	ug/Kg	122%		25-126
Dieldrin	59.10	49.90	ug/Kg	118%		23-124
4,4'-DDE	60.07	49.90	ug/Kg	120%		28-121
Endrin	60.52	49.90	ug/Kg	121%		25-127
Endosulfan II	60.14	49.90	ug/Kg	121%		29-121
Endosulfan sulfate	54.69	49.90	ug/Kg	110%		30-121
4,4'-DDD	61.45	49.90	ug/Kg	123%	*	26-120
Endrin aldehyde	27.83	49.90	ug/Kg	56%		10-120
Endrin ketone	59.14	49.90	ug/Kg	119%		28-125
4,4'-DDT	57.03	49.90	ug/Kg	114%		22-125
Methoxychlor	57.43	49.90	ug/Kg	115%		28-130
Surrogates						
TCMX	49.50	49.90	ug/Kg	99%		23-120
Decachlorobiphenyl	55.94	49.90	ug/Kg	112%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056643**	**Batch:**	**311163**
Matrix (Source ID):	**Soil (482637-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056643 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	52.65	17.08	49.60	ug/Kg	72%		46-120	5
beta-BHC	99.65	ND	49.60	ug/Kg	201%	*	41-120	5
gamma-BHC	80.44	ND	49.60	ug/Kg	162%	*	41-120	5
delta-BHC	56.94	ND	49.60	ug/Kg	115%		38-123	5
Heptachlor	59.18	ND	49.60	ug/Kg	119%		39-120	5
Aldrin	78.69	15.38	49.60	ug/Kg	128%	*	34-120	5
Heptachlor epoxide	90.18	ND	49.60	ug/Kg	182%	*	43-120	5
Endosulfan I	86.16	18.76	49.60	ug/Kg	136%	*	45-120	5
Dieldrin	84.66	ND	49.60	ug/Kg	171%	*	45-120	5
4,4'-DDE	68.47	16.04	49.60	ug/Kg	106%		34-120	5
Endrin	71.96	ND	49.60	ug/Kg	145%	*	40-120	5
Endosulfan II	63.41	ND	49.60	ug/Kg	128%	*	41-120	5
Endosulfan sulfate	196.0	ND	49.60	ug/Kg	395%	*	42-120	5
4,4'-DDD	71.76	ND	49.60	ug/Kg	145%	*	41-120	5
Endrin aldehyde	55.52	8.543	49.60	ug/Kg	95%		30-120	5
Endrin ketone	89.31	10.97	49.60	ug/Kg	158%	*	45-120	5
4,4'-DDT	67.24	11.33	49.60	ug/Kg	113%		35-127	5
Methoxychlor	78.39	ND	49.60	ug/Kg	158%	*	42-136	5
Surrogates								
TCMX	50.10		49.60	ug/Kg	101%		23-120	5
Decachlorobiphenyl	67.30		49.60	ug/Kg	136%	*	24-120	5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056644**	**Batch:**	**311163**
Matrix (Source ID):	**Soil (482637-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056644 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	51.69	17.08	49.07	ug/Kg	71%		46-120	1	30	4.9
beta-BHC	95.28	ND	49.07	ug/Kg	194%	*	41-120	3	30	4.9
gamma-BHC	73.63	ND	49.07	ug/Kg	150%	*	41-120	8	30	4.9
delta-BHC	54.45	ND	49.07	ug/Kg	111%		38-123	3	30	4.9
Heptachlor	55.88	ND	49.07	ug/Kg	114%		39-120	5	30	4.9
Aldrin	71.57	15.38	49.07	ug/Kg	115%		34-120	9	30	4.9
Heptachlor epoxide	87.04	ND	49.07	ug/Kg	177%	*	43-120	2	30	4.9
Endosulfan I	82.23	18.76	49.07	ug/Kg	129%	*	45-120	4	30	4.9
Dieldrin	97.72	ND	49.07	ug/Kg	199%	*	45-120	15	30	4.9
4,4'-DDE	57.36	16.04	49.07	ug/Kg	84%		34-120	17	30	4.9
Endrin	64.57	ND	49.07	ug/Kg	132%	*	40-120	10	30	4.9
Endosulfan II	61.31	ND	49.07	ug/Kg	125%	*	41-120	2	30	4.9
Endosulfan sulfate	176.3	ND	49.07	ug/Kg	359%	*	42-120	9	30	4.9
4,4'-DDD	71.66	ND	49.07	ug/Kg	146%	*	41-120	1	30	4.9
Endrin aldehyde	48.00	8.543	49.07	ug/Kg	80%		30-120	14	30	4.9
Endrin ketone	86.41	10.97	49.07	ug/Kg	154%	*	45-120	2	30	4.9
4,4'-DDT	63.03	11.33	49.07	ug/Kg	105%		35-127	6	30	4.9
Methoxychlor	132.8	ND	49.07	ug/Kg	271%	*	42-136	53*	30	4.9
Surrogates										
TCMX	48.49		49.07	ug/Kg	99%		23-120			4.9
Decachlorobiphenyl	78.63		49.07	ug/Kg	160%	*	24-120			4.9

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056645**	**Batch:**	**311163**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056645 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	467.1	496.5	ug/Kg	94%		14-150
Aroclor-1260	439.1	496.5	ug/Kg	88%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	44.71	49.65	ug/Kg	90%		19-121

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056646**	**Batch:**	**311163**
Matrix (Source ID):	**Soil (482726-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056646 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	469.8	ND	502.5	ug/Kg	93%		42-127	1
Aroclor-1260	445.7	ND	502.5	ug/Kg	89%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	47.91		50.25	ug/Kg	95%		19-121	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056647**	**Batch:**	**311163**
Matrix (Source ID):	**Soil (482726-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056647 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	485.7	ND	502.5	ug/Kg	97%		42-127	3	30	1
Aroclor-1260	477.6	ND	502.5	ug/Kg	95%		38-130	7	30	1
Surrogates										
Decachlorobiphenyl (PCB)	49.72		50.25	ug/Kg	99%		19-121			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1056768	Batch: 311222
Matrix: Soil		

QC1056768 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	5.0	1.2	04/06/23	04/06/23
beta-BHC	ND		ug/Kg	5.0	1.7	04/06/23	04/06/23
gamma-BHC	ND		ug/Kg	5.0	1.0	04/06/23	04/06/23
delta-BHC	ND		ug/Kg	5.0	1.3	04/06/23	04/06/23
Heptachlor	ND		ug/Kg	5.0	1.5	04/06/23	04/06/23
Aldrin	ND		ug/Kg	5.0	1.3	04/06/23	04/06/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	04/06/23	04/06/23
Endosulfan I	ND		ug/Kg	5.0	1.4	04/06/23	04/06/23
Dieldrin	ND		ug/Kg	5.0	1.4	04/06/23	04/06/23
4,4'-DDE	ND		ug/Kg	5.0	1.4	04/06/23	04/06/23
Endrin	ND		ug/Kg	5.0	1.6	04/06/23	04/06/23
Endosulfan II	ND		ug/Kg	5.0	1.6	04/06/23	04/06/23
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	04/06/23	04/06/23
4,4'-DDD	ND		ug/Kg	5.0	1.1	04/06/23	04/06/23
Endrin aldehyde	ND		ug/Kg	5.0	1.7	04/06/23	04/06/23
Endrin ketone	ND		ug/Kg	5.0	1.4	04/06/23	04/06/23
4,4'-DDT	ND		ug/Kg	5.0	1.4	04/06/23	04/06/23
Methoxychlor	ND		ug/Kg	9.9	5.0	04/06/23	04/06/23
Toxaphene	ND		ug/Kg	99	15	04/06/23	04/06/23
Chlordane (Technical)	ND		ug/Kg	50	11	04/06/23	04/06/23
Surrogates				**Limits**			
TCMX	79%		%REC	23-120		04/06/23	04/06/23
Decachlorobiphenyl	74%		%REC	24-120		04/06/23	04/06/23
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	50	14	04/06/23	04/07/23
Aroclor-1221	ND		ug/Kg	50	23	04/06/23	04/07/23
Aroclor-1232	ND		ug/Kg	50	18	04/06/23	04/07/23
Aroclor-1242	ND		ug/Kg	50	18	04/06/23	04/07/23
Aroclor-1248	ND		ug/Kg	50	21	04/06/23	04/07/23
Aroclor-1254	ND		ug/Kg	50	6.5	04/06/23	04/07/23
Aroclor-1260	ND		ug/Kg	50	24	04/06/23	04/07/23
Aroclor-1262	ND		ug/Kg	50	16	04/06/23	04/07/23
Aroclor-1268	ND		ug/Kg	50	13	04/06/23	04/07/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	90%		%REC	19-121		04/06/23	04/07/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1056769**	**Batch: 311222**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1056769 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	42.02	49.90	ug/Kg	84%		22-129
beta-BHC	43.09	49.90	ug/Kg	86%		28-125
gamma-BHC	41.54	49.90	ug/Kg	83%		22-128
delta-BHC	42.64	49.90	ug/Kg	85%		24-131
Heptachlor	41.66	49.90	ug/Kg	83%		18-124
Aldrin	35.48	49.90	ug/Kg	71%		23-120
Heptachlor epoxide	40.59	49.90	ug/Kg	81%		26-120
Endosulfan I	40.40	49.90	ug/Kg	81%		25-126
Dieldrin	39.03	49.90	ug/Kg	78%		23-124
4,4'-DDE	39.53	49.90	ug/Kg	79%		28-121
Endrin	44.18	49.90	ug/Kg	89%		25-127
Endosulfan II	39.28	49.90	ug/Kg	79%		29-121
Endosulfan sulfate	38.88	49.90	ug/Kg	78%		30-121
4,4'-DDD	40.76	49.90	ug/Kg	82%		26-120
Endrin aldehyde	22.30	49.90	ug/Kg	45%		10-120
Endrin ketone	39.26	49.90	ug/Kg	79%		28-125
4,4'-DDT	40.08	49.90	ug/Kg	80%		22-125
Methoxychlor	42.77	49.90	ug/Kg	86%		28-130
Surrogates						
TCMX	37.60	49.90	ug/Kg	75%		23-120
Decachlorobiphenyl	34.91	49.90	ug/Kg	70%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1056770	Batch:	311222
Matrix (Source ID):	Soil (482773-056)	Method:	EPA 8081A	Prep Method:	EPA 3546

QC1056770 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	39.55	ND	49.46	ug/Kg	80%		46-120	0.99
beta-BHC	41.36	ND	49.46	ug/Kg	84%		41-120	0.99
gamma-BHC	39.23	ND	49.46	ug/Kg	79%		41-120	0.99
delta-BHC	40.44	ND	49.46	ug/Kg	82%		38-123	0.99
Heptachlor	39.10	ND	49.46	ug/Kg	79%		39-120	0.99
Aldrin	33.63	ND	49.46	ug/Kg	68%		34-120	0.99
Heptachlor epoxide	38.03	ND	49.46	ug/Kg	77%		43-120	0.99
Endosulfan I	38.35	ND	49.46	ug/Kg	78%		45-120	0.99
Dieldrin	36.69	ND	49.46	ug/Kg	74%		45-120	0.99
4,4'-DDE	37.70	ND	49.46	ug/Kg	76%		34-120	0.99
Endrin	42.16	ND	49.46	ug/Kg	85%		40-120	0.99
Endosulfan II	37.61	ND	49.46	ug/Kg	76%		41-120	0.99
Endosulfan sulfate	37.24	ND	49.46	ug/Kg	75%		42-120	0.99
4,4'-DDD	39.72	ND	49.46	ug/Kg	80%		41-120	0.99
Endrin aldehyde	30.19	ND	49.46	ug/Kg	61%		30-120	0.99
Endrin ketone	37.31	ND	49.46	ug/Kg	75%		45-120	0.99
4,4'-DDT	39.37	ND	49.46	ug/Kg	80%		35-127	0.99
Methoxychlor	41.97	ND	49.46	ug/Kg	85%		42-136	0.99
Surrogates								
TCMX	34.88		49.46	ug/Kg	71%		23-120	0.99
Decachlorobiphenyl	32.77		49.46	ug/Kg	66%		24-120	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056771**	**Batch:**	**311222**
Matrix (Source ID):	**Soil (482773-056)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056771 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	37.07	ND	49.50	ug/Kg	75%		46-120	7	30	0.99
beta-BHC	38.72	ND	49.50	ug/Kg	78%		41-120	7	30	0.99
gamma-BHC	36.93	ND	49.50	ug/Kg	75%		41-120	6	30	0.99
delta-BHC	38.27	ND	49.50	ug/Kg	77%		38-123	6	30	0.99
Heptachlor	37.20	ND	49.50	ug/Kg	75%		39-120	5	30	0.99
Aldrin	32.22	ND	49.50	ug/Kg	65%		34-120	4	30	0.99
Heptachlor epoxide	36.47	ND	49.50	ug/Kg	74%		43-120	4	30	0.99
Endosulfan I	36.84	ND	49.50	ug/Kg	74%		45-120	4	30	0.99
Dieldrin	35.42	ND	49.50	ug/Kg	72%		45-120	4	30	0.99
4,4'-DDE	36.40	ND	49.50	ug/Kg	74%		34-120	4	30	0.99
Endrin	40.38	ND	49.50	ug/Kg	82%		40-120	4	30	0.99
Endosulfan II	36.53	ND	49.50	ug/Kg	74%		41-120	3	30	0.99
Endosulfan sulfate	35.64	ND	49.50	ug/Kg	72%		42-120	4	30	0.99
4,4'-DDD	38.52	ND	49.50	ug/Kg	78%		41-120	3	30	0.99
Endrin aldehyde	29.94	ND	49.50	ug/Kg	60%		30-120	1	30	0.99
Endrin ketone	36.33	ND	49.50	ug/Kg	73%		45-120	3	30	0.99
4,4'-DDT	38.25	ND	49.50	ug/Kg	77%		35-127	3	30	0.99
Methoxychlor	41.09	ND	49.50	ug/Kg	83%		42-136	2	30	0.99
Surrogates										
TCMX	32.25		49.50	ug/Kg	65%		23-120			0.99
Decachlorobiphenyl	32.20		49.50	ug/Kg	65%		24-120			0.99

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056772**	**Batch:**	**311222**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056772 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	408.1	496.0	ug/Kg	82%		14-150
Aroclor-1260	448.7	496.0	ug/Kg	90%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	44.34	49.60	ug/Kg	89%		19-121

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056773**	**Batch:**	**311222**
Matrix (Source ID):	**Soil (482843-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056773 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	451.4	ND	493.6	ug/Kg	91%		42-127	0.99
Aroclor-1260	494.6	ND	493.6	ug/Kg	100%		38-130	0.99
Surrogates								
Decachlorobiphenyl (PCB)	45.16		49.36	ug/Kg	91%		19-121	0.99

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056774**	**Batch:**	**311222**
Matrix (Source ID):	**Soil (482843-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056774 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	413.6	ND	495.0	ug/Kg	84%		42-127	9	30	0.99
Aroclor-1260	451.4	ND	495.0	ug/Kg	91%		38-130	9	30	0.99
Surrogates										
Decachlorobiphenyl (PCB)	36.77		49.50	ug/Kg	74%		19-121			0.99

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Batch QC

Type: Blank	Lab ID: QC1056811	Batch: 311252
Matrix: Soil		

QC1056811 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	5.0	1.2	04/06/23	04/07/23
beta-BHC	ND		ug/Kg	5.0	1.7	04/06/23	04/07/23
gamma-BHC	ND		ug/Kg	5.0	1.0	04/06/23	04/07/23
delta-BHC	ND		ug/Kg	5.0	1.3	04/06/23	04/07/23
Heptachlor	ND		ug/Kg	5.0	1.5	04/06/23	04/07/23
Aldrin	ND		ug/Kg	5.0	1.3	04/06/23	04/07/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	04/06/23	04/07/23
Endosulfan I	ND		ug/Kg	5.0	1.4	04/06/23	04/07/23
Dieldrin	ND		ug/Kg	5.0	1.4	04/06/23	04/07/23
4,4'-DDE	ND		ug/Kg	5.0	1.4	04/06/23	04/07/23
Endrin	ND		ug/Kg	5.0	1.6	04/06/23	04/07/23
Endosulfan II	ND		ug/Kg	5.0	1.6	04/06/23	04/07/23
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	04/06/23	04/07/23
4,4'-DDD	ND		ug/Kg	5.0	1.1	04/06/23	04/07/23
Endrin aldehyde	ND		ug/Kg	5.0	1.7	04/06/23	04/07/23
Endrin ketone	ND		ug/Kg	5.0	1.4	04/06/23	04/07/23
4,4'-DDT	ND		ug/Kg	5.0	1.4	04/06/23	04/07/23
Methoxychlor	ND		ug/Kg	9.9	5.0	04/06/23	04/07/23
Toxaphene	ND		ug/Kg	99	15	04/06/23	04/07/23
Chlordane (Technical)	ND		ug/Kg	50	11	04/06/23	04/07/23
Surrogates				**Limits**			
TCMX	91%		%REC	23-120		04/06/23	04/07/23
Decachlorobiphenyl	109%		%REC	24-120		04/06/23	04/07/23
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	50	13	04/06/23	04/07/23
Aroclor-1221	ND		ug/Kg	50	11	04/06/23	04/07/23
Aroclor-1232	ND		ug/Kg	50	11	04/06/23	04/07/23
Aroclor-1242	ND		ug/Kg	50	16	04/06/23	04/07/23
Aroclor-1248	ND		ug/Kg	50	17	04/06/23	04/07/23
Aroclor-1254	ND		ug/Kg	50	15	04/06/23	04/07/23
Aroclor-1260	ND		ug/Kg	50	23	04/06/23	04/07/23
Aroclor-1262	ND		ug/Kg	50	13	04/06/23	04/07/23
Aroclor-1268	ND		ug/Kg	50	14	04/06/23	04/07/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	89%		%REC	19-121		04/06/23	04/07/23

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Batch QC

Type: Lab Control Sample	**Lab ID: QC1056812**	**Batch: 311252**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1056812 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	53.64	49.70	ug/Kg	108%		22-129
beta-BHC	54.20	49.70	ug/Kg	109%		28-125
gamma-BHC	53.22	49.70	ug/Kg	107%		22-128
delta-BHC	54.44	49.70	ug/Kg	110%		24-131
Heptachlor	57.35	49.70	ug/Kg	115%		18-124
Aldrin	48.51	49.70	ug/Kg	98%		23-120
Heptachlor epoxide	56.72	49.70	ug/Kg	114%		26-120
Endosulfan I	57.07	49.70	ug/Kg	115%		25-126
Dieldrin	55.27	49.70	ug/Kg	111%		23-124
4,4'-DDE	59.81	49.70	ug/Kg	120%		28-121
Endrin	60.17	49.70	ug/Kg	121%		25-127
Endosulfan II	56.12	49.70	ug/Kg	113%		29-121
Endosulfan sulfate	56.11	49.70	ug/Kg	113%		30-121
4,4'-DDD	59.28	49.70	ug/Kg	119%		26-120
Endrin aldehyde	36.23	49.70	ug/Kg	73%		10-120
Endrin ketone	55.09	49.70	ug/Kg	111%		28-125
4,4'-DDT	60.10	49.70	ug/Kg	121%		22-125
Methoxychlor	65.25	49.70	ug/Kg	131%	*	28-130
Surrogates						
TCMX	45.30	49.70	ug/Kg	91%		23-120
Decachlorobiphenyl	54.94	49.70	ug/Kg	111%		24-120

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056916**	**Batch:**	**311252**
Matrix (Source ID):	**Soil (482773-029)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056916 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	49.66	ND	50.00	ug/Kg	99%		46-120	1
beta-BHC	50.01	ND	50.00	ug/Kg	100%		41-120	1
gamma-BHC	48.90	ND	50.00	ug/Kg	98%		41-120	1
delta-BHC	50.29	ND	50.00	ug/Kg	101%		38-123	1
Heptachlor	54.85	ND	50.00	ug/Kg	110%		39-120	1
Aldrin	49.58	ND	50.00	ug/Kg	99%		34-120	1
Heptachlor epoxide	54.47	ND	50.00	ug/Kg	109%		43-120	1
Endosulfan I	54.47	ND	50.00	ug/Kg	109%		45-120	1
Dieldrin	52.48	ND	50.00	ug/Kg	105%		45-120	1
4,4'-DDE	55.83	ND	50.00	ug/Kg	112%		34-120	1
Endrin	59.94	ND	50.00	ug/Kg	120%		40-120	1
Endosulfan II	52.28	ND	50.00	ug/Kg	105%		41-120	1
Endosulfan sulfate	51.85	ND	50.00	ug/Kg	104%		42-120	1
4,4'-DDD	56.59	ND	50.00	ug/Kg	113%		41-120	1
Endrin aldehyde	43.01	ND	50.00	ug/Kg	86%		30-120	1
Endrin ketone	50.75	ND	50.00	ug/Kg	102%		45-120	1
4,4'-DDT	59.90	ND	50.00	ug/Kg	120%		35-127	1
Methoxychlor	62.39	ND	50.00	ug/Kg	125%		42-136	1
Surrogates								
TCMX	42.80		50.00	ug/Kg	86%		23-120	1
Decachlorobiphenyl	51.96		50.00	ug/Kg	104%		24-120	1

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056917**	**Batch:**	**311252**
Matrix (Source ID):	**Soil (482773-029)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1056917 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	53.36	ND	51.02	ug/Kg	105%		46-120	5	30	1
beta-BHC	53.69	ND	51.02	ug/Kg	105%		41-120	5	30	1
gamma-BHC	52.37	ND	51.02	ug/Kg	103%		41-120	5	30	1
delta-BHC	53.61	ND	51.02	ug/Kg	105%		38-123	4	30	1
Heptachlor	58.66	ND	51.02	ug/Kg	115%		39-120	5	30	1
Aldrin	52.36	ND	51.02	ug/Kg	103%		34-120	3	30	1
Heptachlor epoxide	57.03	ND	51.02	ug/Kg	112%		43-120	3	30	1
Endosulfan I	58.19	ND	51.02	ug/Kg	114%		45-120	5	30	1
Dieldrin	55.70	ND	51.02	ug/Kg	109%		45-120	4	30	1
4,4'-DDE	59.05	ND	51.02	ug/Kg	116%		34-120	4	30	1
Endrin	61.11	ND	51.02	ug/Kg	120%		40-120	0	30	1
Endosulfan II	55.73	ND	51.02	ug/Kg	109%		41-120	4	30	1
Endosulfan sulfate	54.34	ND	51.02	ug/Kg	107%		42-120	3	30	1
4,4'-DDD	59.67	ND	51.02	ug/Kg	117%		41-120	3	30	1
Endrin aldehyde	44.16	ND	51.02	ug/Kg	87%		30-120	1	30	1
Endrin ketone	54.31	ND	51.02	ug/Kg	106%		45-120	5	30	1
4,4'-DDT	63.10	ND	51.02	ug/Kg	124%		35-127	3	30	1
Methoxychlor	66.48	ND	51.02	ug/Kg	130%		42-136	4	30	1
Surrogates										
TCMX	45.79		51.02	ug/Kg	90%		23-120			1
Decachlorobiphenyl	55.26		51.02	ug/Kg	108%		24-120			1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056918**	**Batch:**	**311252**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056918 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	493.6	494.6	ug/Kg	100%		14-150
Aroclor-1260	485.5	494.6	ug/Kg	98%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	44.58	49.46	ug/Kg	90%		19-121

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056919**	**Batch:**	**311252**
Matrix (Source ID):	**Soil (482773-049)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056919 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	441.4	ND	505.1	ug/Kg	87%		42-127	1
Aroclor-1260	436.6	ND	505.1	ug/Kg	86%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	39.65		50.51	ug/Kg	79%		19-121	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056920**	**Batch:**	**311252**
Matrix (Source ID):	**Soil (482773-049)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1056920 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	451.8	ND	495.0	ug/Kg	91%		42-127	4	30	0.99
Aroclor-1260	450.1	ND	495.0	ug/Kg	91%		38-130	5	30	0.99
Surrogates										
Decachlorobiphenyl (PCB)	41.59		49.50	ug/Kg	84%		19-121			0.99

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1057390**	**Batch:**	**311404**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1057390 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.36	04/09/23	04/10/23
2-Methylnaphthalene	ND		ug/L	0.50	0.37	04/09/23	04/10/23
Naphthalene	ND		ug/L	0.50	0.37	04/09/23	04/10/23
Acenaphthylene	ND		ug/L	0.50	0.35	04/09/23	04/10/23
Acenaphthene	ND		ug/L	0.50	0.33	04/09/23	04/10/23
Fluorene	ND		ug/L	0.50	0.35	04/09/23	04/10/23
Phenanthrene	ND		ug/L	0.50	0.27	04/09/23	04/10/23
Anthracene	ND		ug/L	0.50	0.26	04/09/23	04/10/23
Fluoranthene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Pyrene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Benzo(a)anthracene	ND		ug/L	0.50	0.27	04/09/23	04/10/23
Chrysene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Benzo(b)fluoranthene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Benzo(k)fluoranthene	ND		ug/L	0.50	0.33	04/09/23	04/10/23
Benzo(a)pyrene	ND		ug/L	0.50	0.29	04/09/23	04/10/23
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.29	04/09/23	04/10/23
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.28	04/09/23	04/10/23
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.28	04/09/23	04/10/23
Surrogates				**Limits**			
Nitrobenzene-d5	51%		%REC	16-125		04/09/23	04/10/23
2-Fluorobiphenyl	47%		%REC	17-120		04/09/23	04/10/23
Terphenyl-d14	68%		%REC	39-123		04/09/23	04/10/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057392**	**Batch:**	**311404**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1057392 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	2.242	4.000	ug/L	56%		23-120
2-Methylnaphthalene	2.287	4.000	ug/L	57%		33-120
Naphthalene	2.353	4.000	ug/L	59%		38-120
Acenaphthylene	2.551	4.000	ug/L	64%		37-120
Acenaphthene	2.487	4.000	ug/L	62%		39-120
Fluorene	2.573	4.000	ug/L	64%		43-120
Phenanthrene	2.609	4.000	ug/L	65%		42-120
Anthracene	2.647	4.000	ug/L	66%		42-120
Fluoranthene	2.693	4.000	ug/L	67%		48-120
Pyrene	2.731	4.000	ug/L	68%		44-120
Benzo(a)anthracene	2.750	4.000	ug/L	69%		51-126
Chrysene	2.883	4.000	ug/L	72%		47-120
Benzo(b)fluoranthene	2.872	4.000	ug/L	72%		44-127
Benzo(k)fluoranthene	2.918	4.000	ug/L	73%		43-127
Benzo(a)pyrene	2.835	4.000	ug/L	71%		29-124
Indeno(1,2,3-cd)pyrene	3.156	4.000	ug/L	79%		44-127
Dibenz(a,h)anthracene	3.109	4.000	ug/L	78%		55-120
Benzo(g,h,i)perylene	3.132	4.000	ug/L	78%		46-120
Surrogates						
Nitrobenzene-d5	2.698	4.000	ug/L	67%		16-125
2-Fluorobiphenyl	2.474	4.000	ug/L	62%		17-120
Terphenyl-d14	2.719	4.000	ug/L	68%		39-123

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1057393**	**Batch:**	**311404**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1057393 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	2.440	4.000	ug/L	61%		23-120	8	20
2-Methylnaphthalene	2.497	4.000	ug/L	62%		33-120	9	20
Naphthalene	2.516	4.000	ug/L	63%		38-120	7	20
Acenaphthylene	2.745	4.000	ug/L	69%		37-120	7	20
Acenaphthene	2.644	4.000	ug/L	66%		39-120	6	20
Fluorene	2.765	4.000	ug/L	69%		43-120	7	20
Phenanthrene	2.815	4.000	ug/L	70%		42-120	8	20
Anthracene	2.869	4.000	ug/L	72%		42-120	8	20
Fluoranthene	2.910	4.000	ug/L	73%		48-120	8	20
Pyrene	2.925	4.000	ug/L	73%		44-120	7	20
Benzo(a)anthracene	2.984	4.000	ug/L	75%		51-126	8	20
Chrysene	3.131	4.000	ug/L	78%		47-120	8	20
Benzo(b)fluoranthene	3.028	4.000	ug/L	76%		44-127	5	20
Benzo(k)fluoranthene	3.049	4.000	ug/L	76%		43-127	4	20
Benzo(a)pyrene	2.981	4.000	ug/L	75%		29-124	5	20
Indeno(1,2,3-cd)pyrene	3.338	4.000	ug/L	83%		44-127	6	20
Dibenz(a,h)anthracene	3.300	4.000	ug/L	83%		55-120	6	20
Benzo(g,h,i)perylene	3.292	4.000	ug/L	82%		46-120	5	20
Surrogates								
Nitrobenzene-d5	2.953	4.000	ug/L	74%		16-125		
2-Fluorobiphenyl	2.664	4.000	ug/L	67%		17-120		
Terphenyl-d14	3.010	4.000	ug/L	75%		39-123		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1056816**	**Batch:**	**311212**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1056816 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	3.0	04/06/23	04/06/23
2-Methylnaphthalene	ND		ug/Kg	10	2.9	04/06/23	04/06/23
Naphthalene	ND		ug/Kg	10	3.1	04/06/23	04/06/23
Acenaphthylene	ND		ug/Kg	10	2.5	04/06/23	04/06/23
Acenaphthene	ND		ug/Kg	10	2.7	04/06/23	04/06/23
Fluorene	ND		ug/Kg	10	2.6	04/06/23	04/06/23
Phenanthrene	ND		ug/Kg	10	2.3	04/06/23	04/06/23
Anthracene	ND		ug/Kg	10	1.8	04/06/23	04/06/23
Fluoranthene	ND		ug/Kg	10	0.99	04/06/23	04/06/23
Pyrene	ND		ug/Kg	10	1.2	04/06/23	04/06/23
Benzo(a)anthracene	ND		ug/Kg	10	0.94	04/06/23	04/06/23
Chrysene	ND		ug/Kg	10	1.2	04/06/23	04/06/23
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	04/06/23	04/06/23
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	04/06/23	04/06/23
Benzo(a)pyrene	ND		ug/Kg	10	2.0	04/06/23	04/06/23
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	04/06/23	04/06/23
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	04/06/23	04/06/23
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	04/06/23	04/06/23
Surrogates				**Limits**			
Nitrobenzene-d5	78%		%REC	27-125		04/06/23	04/06/23
2-Fluorobiphenyl	73%		%REC	30-120		04/06/23	04/06/23
Terphenyl-d14	80%		%REC	33-155		04/06/23	04/06/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056817**	**Batch:**	**311212**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1056817 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	150.6	199.0	ug/Kg	76%		28-130
2-Methylnaphthalene	157.5	199.0	ug/Kg	79%		33-130
Naphthalene	154.6	199.0	ug/Kg	78%		25-130
Acenaphthylene	164.5	199.0	ug/Kg	83%		28-130
Acenaphthene	150.1	199.0	ug/Kg	75%		32-130
Fluorene	154.0	199.0	ug/Kg	77%		35-130
Phenanthrene	155.7	199.0	ug/Kg	78%		35-132
Anthracene	161.6	199.0	ug/Kg	81%		34-136
Fluoranthene	157.7	199.0	ug/Kg	79%		34-139
Pyrene	158.4	199.0	ug/Kg	80%		35-134
Benzo(a)anthracene	162.7	199.0	ug/Kg	82%		30-132
Chrysene	166.1	199.0	ug/Kg	83%		29-130
Benzo(b)fluoranthene	168.4	199.0	ug/Kg	85%		32-137
Benzo(k)fluoranthene	162.1	199.0	ug/Kg	81%		32-130
Benzo(a)pyrene	166.7	199.0	ug/Kg	84%		10-138
Indeno(1,2,3-cd)pyrene	179.0	199.0	ug/Kg	90%		34-132
Dibenz(a,h)anthracene	176.1	199.0	ug/Kg	88%		32-130
Benzo(g,h,i)perylene	172.2	199.0	ug/Kg	87%		27-130
Surrogates						
Nitrobenzene-d5	172.2	199.0	ug/Kg	87%		27-125
2-Fluorobiphenyl	161.5	199.0	ug/Kg	81%		30-120
Terphenyl-d14	167.0	199.0	ug/Kg	84%		33-155

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056818**	**Batch:**	**311212**
Matrix (Source ID):	**Soil (482773-016)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1056818 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	148.1	ND	199.0	ug/Kg	74%		25-130	1
2-Methylnaphthalene	154.2	ND	199.0	ug/Kg	77%		32-133	1
Naphthalene	149.7	ND	199.0	ug/Kg	75%		33-130	1
Acenaphthylene	160.2	ND	199.0	ug/Kg	81%		14-157	1
Acenaphthene	145.4	ND	199.0	ug/Kg	73%		28-134	1
Fluorene	150.1	ND	199.0	ug/Kg	75%		27-140	1
Phenanthrene	148.7	ND	199.0	ug/Kg	75%		29-147	1
Anthracene	154.0	ND	199.0	ug/Kg	77%		24-156	1
Fluoranthene	151.5	ND	199.0	ug/Kg	76%		28-160	1
Pyrene	152.3	ND	199.0	ug/Kg	77%		26-153	1
Benzo(a)anthracene	158.6	ND	199.0	ug/Kg	80%		26-174	1
Chrysene	159.9	ND	199.0	ug/Kg	80%		40-139	1
Benzo(b)fluoranthene	156.5	ND	199.0	ug/Kg	79%		36-164	1
Benzo(k)fluoranthene	158.1	ND	199.0	ug/Kg	79%		36-161	1
Benzo(a)pyrene	159.4	ND	199.0	ug/Kg	80%		18-173	1
Indeno(1,2,3-cd)pyrene	173.6	ND	199.0	ug/Kg	87%		26-154	1
Dibenz(a,h)anthracene	171.1	ND	199.0	ug/Kg	86%		38-132	1
Benzo(g,h,i)perylene	166.3	ND	199.0	ug/Kg	84%		36-130	1
Surrogates								
Nitrobenzene-d5	167.7		199.0	ug/Kg	84%		27-125	1
2-Fluorobiphenyl	161.2		199.0	ug/Kg	81%		30-120	1
Terphenyl-d14	161.8		199.0	ug/Kg	81%		33-155	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056819**	**Batch:**	**311212**
Matrix (Source ID):	**Soil (482773-016)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1056819 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	164.7	ND	200.0	ug/Kg	82%		25-130	10	35	1
2-Methylnaphthalene	173.6	ND	200.0	ug/Kg	87%		32-133	11	35	1
Naphthalene	169.1	ND	200.0	ug/Kg	85%		33-130	12	35	1
Acenaphthylene	177.7	ND	200.0	ug/Kg	89%		14-157	10	35	1
Acenaphthene	157.4	ND	200.0	ug/Kg	79%		28-134	7	35	1
Fluorene	160.3	ND	200.0	ug/Kg	80%		27-140	6	35	1
Phenanthrene	147.7	ND	200.0	ug/Kg	74%		29-147	1	35	1
Anthracene	151.8	ND	200.0	ug/Kg	76%		24-156	2	35	1
Fluoranthene	147.7	ND	200.0	ug/Kg	74%		28-160	3	35	1
Pyrene	147.1	ND	200.0	ug/Kg	74%		26-153	4	35	1
Benzo(a)anthracene	150.0	ND	200.0	ug/Kg	75%		26-174	6	35	1
Chrysene	154.2	ND	200.0	ug/Kg	77%		40-139	4	35	1
Benzo(b)fluoranthene	153.1	ND	200.0	ug/Kg	77%		36-164	3	35	1
Benzo(k)fluoranthene	146.1	ND	200.0	ug/Kg	73%		36-161	8	35	1
Benzo(a)pyrene	152.6	ND	200.0	ug/Kg	76%		18-173	5	35	1
Indeno(1,2,3-cd)pyrene	164.9	ND	200.0	ug/Kg	82%		26-154	6	35	1
Dibenz(a,h)anthracene	162.6	ND	200.0	ug/Kg	81%		38-132	6	35	1
Benzo(g,h,i)perylene	158.7	ND	200.0	ug/Kg	79%		36-130	5	35	1
Surrogates										
Nitrobenzene-d5	182.7		200.0	ug/Kg	91%		27-125			1
2-Fluorobiphenyl	174.4		200.0	ug/Kg	87%		30-120			1
Terphenyl-d14	152.0		200.0	ug/Kg	76%		33-155			1

#	CCV drift outside limits; average CCV drift within limits per method requirements
*	Value is outside QC limits
J	Estimated value
ND	Not Detected
NM	Not Meaningful
b	See narrative

Laboratory Job Number 482773

Subcontracted Products

AmeriSci

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Project Manager
Enthalpy Analytical
Fax #:

From: Thu M. Nguyen
AmeriSci Job #: 923041035
Subject: PLM-Bulk-Qualitative 5 day Resul
Client Project: EO-482773

Email: incomingreports@enthalpy.com, patty.mata@enthalpy.com

Date: Thursday, April 13, 2023
Time: 18:46:43
Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

Client Name: Enthalpy Analytical

Table I
Summary of Bulk Asbestos Analysis Results

EO-482773

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	Asbestos by PLM/DS	Asbestos by TEM
01	SB-06-1.0		----	----	----	----	NVA	NA
Location:	482773-001							
02	SB-11-1.0		----	----	----	----	NVA	NA
Location:	482773-016							
03	SB-12-1.0		----	----	----	----	NVA	NA
Location:	482773-019							
04	SB-19-1.0		----	----	----	----	NVA	NA
Location:	482773-028							
05	SB-26-1.0		----	----	----	----	NVA	NA
Location:	482773-040							
06	SB-30-1.0		----	----	----	----	NVA	NA
Location:	482773-049							
07	SB-32-1.0		----	----	----	----	NVA	NA
Location:	482773-055							
08	SB-37-1.0		----	----	----	----	NVA	NA
Location:	482773-067							

Analyzed by: Thu M. Nguyen Thumnguyen Reviewed by: Thu M. Nguyen Thumnguyen

Date: 4/13/2023

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent Qualitative PLM (polarized light microscopy) or Qualitative TEM (transmission electron microscopy) Analysis for confirmation of asbestos presence and identification only, following selections of EPA 600/R-93/116 (method not covered by NVLAP asbestos accreditation); NA = not analyzed; this report relates ONLY to the items tested.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
AmeriSci
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Sample Control
PO #: Required, to be sent via email

Enthalpy Order: EO-482773
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

9230411035

Results Due: Standard TAT (5 DAY)
Report Level: II
Report To: MDL
EDDs:

Notes:
Need PLM qualitative tests for soils. Revised to remove water sample test that was not needed.

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SB-06-1.0	04-APR-2023 14:05	482773-001	1	Soil	Asbestos by PLM (P/A)	
SB-11-1.0	04-APR-2023 13:22	482773-016	1	Soil	Asbestos by PLM (P/A)	
SB-12-1.0	04-APR-2023 14:25	482773-019	1	Soil	Asbestos by PLM (P/A)	
SB-19-1.0	04-APR-2023 11:04	482773-028	1	Soil	Asbestos by PLM (P/A)	
SB-26-1.0	04-APR-2023 12:36	482773-040	1	Soil	Asbestos by PLM (P/A)	
SB-30-1.0	04-APR-2023 08:05	482773-049	1	Soil	Asbestos by PLM (P/A)	
SB-32-1.0	04-APR-2023 09:20	482773-055	1	Soil	Asbestos by PLM (P/A)	
SB-37-1.0	04-APR-2023 09:24	482773-067	1	Soil	Asbestos by PLM (P/A)	

Notes:	Relinquished By:	Received By:
	[signature]	[signature]
	Date: 4-5-23 ~~1350~~ 1755	Date: 04/05/23 @ 1755
	Date:	Date:
	Date:	Date:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

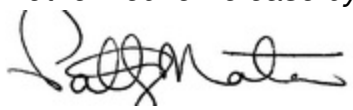
Lab Job Number: 482858
Report Level: II
Report Date: 04/21/2023

Analytical Report *prepared for:*

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - LAUSD-Garfield HS S030.056.003

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #: Project No: Location: Date Received:	482858 LAUSD SCHOOL LAUSD-Garfield HS S030.056.003 04/05/23

Sample ID	Lab ID	Collected	Matrix
SB-24-1.0	482858-001	04/05/23 07:43	Soil
SB-24-5.0	482858-002	04/05/23 07:52	Soil
SB-24-10.0	482858-003	04/05/23 08:05	Soil
SB-24-15.0	482858-004	04/05/23 08:10	Soil
SB-23-1.0	482858-005	04/05/23 08:16	Soil
SB-23-5.0	482858-006	04/05/23 08:28	Soil
SB-23-10.0	482858-007	04/05/23 08:43	Soil
SB-23-15.0	482858-008	04/05/23 08:45	Soil
SB-36-1.0	482858-009	04/05/23 08:51	Soil
SB-36-3.0	482858-010	04/05/23 09:05	Soil
SB-38-1.0	482858-011	04/05/23 09:13	Soil
SB-38-3.0	482858-012	04/05/23 10:01	Soil
SB-38-5.0	482858-013	04/05/23 10:03	Soil
SB-39-1.0	482858-014	04/05/23 10:19	Soil
SB-39-3.0	482858-015	04/05/23 10:23	Soil
SB-39-5.0	482858-016	04/05/23 10:27	Soil
SB-22-1.0	482858-017	04/05/23 10:28	Soil
SB-22-3.0	482858-018	04/05/23 10:31	Soil
SB-22-5.0	482858-019	04/05/23 10:36	Soil
SB-18-1.0	482858-020	04/05/23 10:43	Soil
SB-18-3.0	482858-021	04/05/23 10:45	Soil
SB-18-5.0	482858-022	04/05/23 10:47	Soil
SB-15-1.0	482858-023	04/05/23 11:00	Soil
SB-15-3.0	482858-024	04/05/23 11:07	Soil
SB-15-5.0	482858-025	04/05/23 11:14	Soil
SB-40-1.0	482858-026	04/05/23 11:12	Soil

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #: Project No: Location: Date Received:	482858 LAUSD SCHOOL LAUSD-Garfield HS S030.056.003 04/05/23

Sample ID	Lab ID	Collected	Matrix
SB-40-3.0	482858-027	04/05/23 11:17	Soil
SB-14-1.0	482858-028	04/05/23 11:34	Soil
SB-14-3.0	482858-029	04/05/23 11:45	Soil
SB-14-5.0	482858-030	04/05/23 11:47	Soil
SB-04-1.0	482858-031	04/05/23 11:55	Soil
SB-04-3.0	482858-032	04/05/23 11:59	Soil
SB-04-5.0	482858-033	04/05/23 12:00	Soil
SB-01-1.0	482858-034	04/05/23 12:42	Soil
SB-01-3.0	482858-035	04/05/23 12:46	Soil
SB-01-5.0	482858-036	04/05/23 12:50	Soil
SB-28-1.0	482858-037	04/05/23 13:11	Soil
SB-28-3.0	482858-038	04/05/23 13:14	Soil
SB-28-5.0	482858-039	04/05/23 13:18	Soil
SB-02-6.0	482858-040	04/05/23 13:45	Soil
SB-02-8.0	482858-041	04/05/23 13:50	Soil
SB-02-10.0	482858-042	04/05/23 13:45	Soil
SB-03-6.0	482858-043	04/05/23 14:15	Soil
SB-03-8.0	482858-044	04/05/23 14:20	Soil
SB-03-10.0	482858-045	04/05/23 14:24	Soil
TB-230405	482858-046	04/05/23 14:45	Water
EB-230405	482858-047	04/05/23 14:50	Water

Case Narrative

Terraphase Engineering	Lab Job Number: 482858
18401 Von Karman Ave, Suite #410	Project No: LAUSD SCHOOL
Irvine, CA 92612	Location: LAUSD-Garfield HS S030.056.003
Darren Croteau	Date Received: 04/05/23

This data package contains sample and QC results for thirty two soil samples and two water samples, requested for the above referenced project on 04/05/23. The samples were received cold and intact. Client requested additional tests per their 4/12/23 email. Revised report to include 8015M-TPH-DRO/ORO results as requested. Revised report to include STLC and TCLP results as requested plus the TPH-DRO/ORO result for one additional sample, SB-23-10.0 as requested.

TPH-Extractables by GC (EPA 8015M):

- ORO C28-C44 was detected between the MDL and the RL in the method blank for batch 312026; this analyte was either not detected in samples at or above the RL, or detected at a level at least 10 times that of the blank.
- SB-23-1.0 (lab # 482858-005) and SB-18-1.0 (lab # 482858-020) were diluted due to the dark color of the sample extracts.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B) Soil:

- Acetone was detected between the MDL and the RL in the method blank for batch 311376; this analyte was not detected in samples at or above the RL. Sample results between the MDL and RL were "B" flagged.
- No other analytical problems were encountered.

Pesticides (EPA 8081A) Soil:

- SB-15-1.0 (lab # 482858-023) was diluted due to the color of the sample extract. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilution.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A) Water:

- Lead was detected between the MDL and the RL in the method blank for batch 311343; this analyte was not detected in the sample at or above the RL. Sample results between the MDL and RL were "B" flagged.
- No other analytical problems were encountered.

Metals (EPA 6010B, EPA 6020, and EPA 7471A) Soil:

- Low recoveries were observed for antimony in the MS/MSD for batch 311307; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- Lead was detected between the MDL and the RL in the method blank for batch 311260; this analyte was detected in samples at a level at least 10 times that of the blank.
- Lead was detected between the MDL and the RL in the method blank for batch 311301; this analyte was detected in samples at a level at least 10 times that of the blank.
- Chromium and zinc were detected between the MDL and the RL in the method blank for batch 311307; these analytes were detected in samples at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Asbestos by PLM (Asbestos PLM):

AmeriSci in Carson, CA performed the analysis (see sublab report section for certifications). Please see the AmeriSci case narrative.

ENTHALPY ANALYTICAL

Detection Summary

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 482858
Project No: LAUSD SCHOOL
Location: LAUSD-Garfield HS S030.056.003
Date Received: 04/05/23

Sample ID: SB-24-1.0 **Lab ID: 482858-001** **Collected: 04/05/23 07:43**

No Detections

Sample ID: SB-24-5.0 **Lab ID: 482858-002** **Collected: 04/05/23 07:52**

No Detections

Sample ID: SB-24-10.0 **Lab ID: 482858-003** **Collected: 04/05/23 08:05**

No Detections

Sample ID: SB-23-1.0 **Lab ID: 482858-005** **Collected: 04/05/23 08:16**
Matrix: Soil

482858-005 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**3.7**		mg/Kg	0.96	0.27
Lead	**17**		mg/Kg	0.48	0.066
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	**10**	J	mg/Kg	20	2.1
ORO C28-C44	**140**		mg/Kg	40	2.1
Method: EPA 8260B Prep Method: EPA 5035					
Acetone	**20**	B,J	ug/Kg	97	19
para-Isopropyl Toluene	**1.5**	J	ug/Kg	4.8	1.0

Sample ID: SB-23-5.0 **Lab ID: 482858-006** **Collected: 04/05/23 08:28**
Matrix: Soil

482858-006 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	**5.8**	J	mg/Kg	10	1.1
ORO C28-C44	**16**	J	mg/Kg	20	1.1

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-23-10.0 **Lab ID: 482858-007** **Collected: 04/05/23 08:43**

No Detections

Sample ID: SB-36-1.0 **Lab ID: 482858-009** **Collected: 04/05/23 08:51**

482858-009 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: METHOD						
Lead	**0.44**		mg/L	0.15	0.036	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**13**		mg/Kg	0.96	0.27	Soil
Lead	**92**		mg/Kg	0.48	0.066	Soil
Method: EPA 8081A Prep Method: EPA 3546						
4,4'-DDT	**2.6**	J	ug/Kg	5.0	1.4	Soil
Chlordane (Technical)	**41**	J	ug/Kg	50	9.1	Soil

Sample ID: SB-36-3.0 **Lab ID: 482858-010** **Collected: 04/05/23 09:05**
Matrix: Soil

482858-010 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.4**		mg/Kg	0.95	0.26
Lead	**3.0**		mg/Kg	0.48	0.065

Sample ID: SB-38-1.0 **Lab ID: 482858-011** **Collected: 04/05/23 09:13**
Matrix: Soil

482858-011 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**12**		mg/Kg	0.95	0.26
Lead	**31**		mg/Kg	0.48	0.065

Sample ID: SB-38-3.0 **Lab ID: 482858-012** **Collected: 04/05/23 10:01**
Matrix: Soil

482858-012 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**6.8**		mg/Kg	0.96	0.20
Lead	**7.7**		mg/Kg	0.48	0.088

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-39-1.0	Lab ID: 482858-014	Collected: 04/05/23 10:19
	Matrix: Soil	

482858-014 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**12**		mg/Kg	0.95	0.20
Lead	**29**		mg/Kg	0.48	0.087

Sample ID: SB-39-3.0	Lab ID: 482858-015	Collected: 04/05/23 10:23
	Matrix: Soil	

482858-015 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.8**		mg/Kg	0.95	0.20
Lead	**6.5**		mg/Kg	0.48	0.087

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-22-1.0	Lab ID: 482858-017	Collected: 04/05/23 10:28

482858-017 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: EPA 3010A						
Lead	**0.0085**	J	mg/L	0.015	0.0036	TCLP Leachate
Method: EPA 6010B Prep Method: EPA 3050B						
Antimony	**1.2**	J	mg/Kg	2.9	0.50	Soil
Barium	**180**		mg/Kg	0.97	0.078	Soil
Chromium	**37**		mg/Kg	0.97	0.072	Soil
Cobalt	**10**		mg/Kg	0.49	0.13	Soil
Copper	**27**		mg/Kg	0.97	0.25	Soil
Molybdenum	**1.0**		mg/Kg	0.97	0.36	Soil
Nickel	**25**		mg/Kg	0.97	0.26	Soil
Selenium	**0.80**	J	mg/Kg	2.9	0.33	Soil
Vanadium	**55**		mg/Kg	0.97	0.31	Soil
Zinc	**100**		mg/Kg	4.9	0.27	Soil
Method: EPA 6010B Prep Method: METHOD						
Lead	**0.28**		mg/L	0.15	0.036	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**6.0**		mg/Kg	0.95	0.20	Soil
Lead	**150**		mg/Kg	0.48	0.087	Soil
Method: EPA 7471A Prep Method: METHOD						
Mercury	**0.032**	J	mg/Kg	0.17	0.0060	Soil
Method: EPA 8081A Prep Method: EPA 3546						
4,4'-DDE	**11**		ug/Kg	5.0	1.4	Soil
4,4'-DDT	**12**		ug/Kg	5.0	1.4	Soil
Chlordane (Technical)	**440**		ug/Kg	50	11	Soil
Method: EPA 8270C-SIM Prep Method: EPA 3546						
Phenanthrene	**2.8**	J	ug/Kg	10	2.3	Soil
Fluoranthene	**6.5**	J	ug/Kg	10	1.0	Soil
Pyrene	**5.8**	J	ug/Kg	10	1.2	Soil
Benzo(a)anthracene	**3.5**	J	ug/Kg	10	0.95	Soil
Chrysene	**4.1**	J	ug/Kg	10	1.2	Soil
Benzo(b)fluoranthene	**4.3**	J	ug/Kg	10	1.2	Soil
Benzo(k)fluoranthene	**1.9**	J	ug/Kg	10	1.9	Soil
Benzo(a)pyrene	**3.7**	J	ug/Kg	10	2.0	Soil
Indeno(1,2,3-cd)pyrene	**2.3**	J	ug/Kg	10	1.1	Soil
Benzo(g,h,i)perylene	**2.7**	J	ug/Kg	10	1.4	Soil

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-22-3.0 **Lab ID: 482858-018** **Collected: 04/05/23 10:31**
Matrix: Soil

482858-018 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.6**		mg/Kg	0.99	0.20
Lead	**13**		mg/Kg	0.50	0.090
Method: EPA 8081A Prep Method: EPA 3546					
Chlordane (Technical)	**500**		ug/Kg	50	11

Sample ID: SB-18-1.0 **Lab ID: 482858-020** **Collected: 04/05/23 10:43**
Matrix: Soil

482858-020 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.7**		mg/Kg	0.98	0.20
Lead	**15**		mg/Kg	0.49	0.089
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	**8.6**	J	mg/Kg	20	2.1
ORO C28-C44	**70**		mg/Kg	40	2.1
Method: EPA 8081A Prep Method: EPA 3546					
Chlordane (Technical)	**100**	J	ug/Kg	250	54

Sample ID: SB-18-3.0 **Lab ID: 482858-021** **Collected: 04/05/23 10:45**
Matrix: Soil

482858-021 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.7**		mg/Kg	0.96	0.27
Lead	**5.8**		mg/Kg	0.48	0.066

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-15-1.0	Lab ID: 482858-023	Collected: 04/05/23 11:00
	Matrix: Soil	

482858-023 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Antimony	**1.3**	J	mg/Kg	2.9	0.51
Barium	**110**		mg/Kg	0.98	0.079
Chromium	**30**		mg/Kg	0.98	0.073
Cobalt	**9.0**		mg/Kg	0.49	0.14
Copper	**20**		mg/Kg	0.98	0.26
Molybdenum	**0.80**	J	mg/Kg	0.98	0.36
Nickel	**17**		mg/Kg	0.98	0.26
Vanadium	**45**		mg/Kg	0.98	0.31
Zinc	**62**		mg/Kg	4.9	0.27
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.8**		mg/Kg	0.98	0.27
Lead	**15**		mg/Kg	0.49	0.067
Thallium	**0.26**	J	mg/Kg	0.98	0.14
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.021**	J	mg/Kg	0.14	0.0052

Sample ID: SB-15-3.0	Lab ID: 482858-024	Collected: 04/05/23 11:07
	Matrix: Soil	

482858-024 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.3**		mg/Kg	0.97	0.27
Lead	**25**		mg/Kg	0.49	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**7.5**		ug/Kg	5.0	1.4
4,4'-DDT	**3.8**	J	ug/Kg	5.0	1.4
Chlordane (Technical)	**100**		ug/Kg	50	11

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-40-1.0	Lab ID: 482858-026	Collected: 04/05/23 11:12
	Matrix: Soil	

482858-026 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.97	0.27
Lead	**9.7**		mg/Kg	0.49	0.066

Sample ID: SB-40-3.0	Lab ID: 482858-027	Collected: 04/05/23 11:17

No Detections

Sample ID: SB-14-1.0	Lab ID: 482858-028	Collected: 04/05/23 11:34
	Matrix: Soil	

482858-028 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.1**		mg/Kg	0.96	0.27
Lead	**12**		mg/Kg	0.48	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Chlordane (Technical)	**14**	J	ug/Kg	50	9.0

Sample ID: SB-14-3.0	Lab ID: 482858-029	Collected: 04/05/23 11:45
	Matrix: Soil	

482858-029 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**6.2**		mg/Kg	1.0	0.28
Lead	**39**		mg/Kg	0.50	0.068
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**4.1**	J	ug/Kg	5.0	1.4
4,4'-DDE	**1.7**	J	ug/Kg	5.0	1.4
4,4'-DDT	**3.5**	C,J	ug/Kg	5.0	1.4
Chlordane (Technical)	**35**	J	ug/Kg	50	11

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ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-04-1.0	Lab ID: 482858-031	Collected: 04/05/23 11:55
	Matrix: Soil	

482858-031 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Antimony	**0.53**	J	mg/Kg	3.0	0.51
Barium	**59**		mg/Kg	0.99	0.080
Chromium	**11**		mg/Kg	0.99	0.073
Cobalt	**4.9**		mg/Kg	0.50	0.14
Copper	**13**		mg/Kg	0.99	0.26
Nickel	**6.9**		mg/Kg	0.99	0.27
Vanadium	**34**		mg/Kg	0.99	0.31
Zinc	**36**		mg/Kg	5.0	0.27
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**1.8**		mg/Kg	0.99	0.27
Lead	**5.1**		mg/Kg	0.50	0.068
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.091**	J	mg/Kg	0.14	0.0052
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	**1.5**	J	mg/Kg	9.9	1.1
Method: EPA 8260B Prep Method: EPA 5035					
Benzene	**1.1**	J	ug/Kg	4.5	0.9

Sample ID: SB-04-3.0	Lab ID: 482858-032	Collected: 04/05/23 11:59
	Matrix: Soil	

482858-032 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.0**		mg/Kg	0.97	0.27
Lead	**5.6**		mg/Kg	0.49	0.066

Sample ID: SB-01-1.0	Lab ID: 482858-034	Collected: 04/05/23 12:42

No Detections

Sample ID: SB-01-3.0	Lab ID: 482858-035	Collected: 04/05/23 12:46

No Detections

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-28-1.0 **Lab ID: 482858-037** **Collected: 04/05/23 13:11**
Matrix: Soil

482858-037 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.9**		mg/Kg	0.97	0.27
Lead	**44**		mg/Kg	0.49	0.066
Method: EPA 8081A Prep Method: EPA 3546					
4,4'-DDE	**3.3**	J	ug/Kg	5.0	1.4

Sample ID: SB-28-3.0 **Lab ID: 482858-038** **Collected: 04/05/23 13:14**
Matrix: Soil

482858-038 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.97	0.27
Lead	**5.5**		mg/Kg	0.49	0.066

Sample ID: SB-02-6.0 **Lab ID: 482858-040** **Collected: 04/05/23 13:45**
Matrix: Soil

482858-040 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Antimony	**1.5**	J	mg/Kg	3.0	0.51
Barium	**140**		mg/Kg	0.99	0.080
Chromium	**36**		mg/Kg	0.99	0.073
Cobalt	**12**		mg/Kg	0.50	0.14
Copper	**25**		mg/Kg	0.99	0.26
Molybdenum	**0.66**	J	mg/Kg	0.99	0.36
Nickel	**25**		mg/Kg	0.99	0.27
Selenium	**0.35**	J	mg/Kg	3.0	0.34
Vanadium	**56**		mg/Kg	0.99	0.31
Zinc	**55**		mg/Kg	5.0	0.27
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.8**		mg/Kg	0.99	0.27
Lead	**6.1**		mg/Kg	0.50	0.068
Thallium	**0.18**	J	mg/Kg	0.99	0.14
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.045**	J	mg/Kg	0.15	0.0053

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-02-8.0	Lab ID: 482858-041	Collected: 04/05/23 13:50
	Matrix: Soil	

482858-041 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.2**		mg/Kg	0.99	0.27
Lead	**5.7**		mg/Kg	0.50	0.068
Method: EPA 8260B Prep Method: EPA 5035					
Acetone	**31**	B,J	ug/Kg	110	21

Sample ID: SB-03-6.0	Lab ID: 482858-043	Collected: 04/05/23 14:15
	Matrix: Soil	

482858-043 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Antimony	**0.96**	J	mg/Kg	2.9	0.50
Barium	**140**		mg/Kg	0.96	0.078
Chromium	**33**		mg/Kg	0.96	0.071
Cobalt	**12**		mg/Kg	0.48	0.13
Copper	**24**		mg/Kg	0.96	0.25
Molybdenum	**0.54**	J	mg/Kg	0.96	0.35
Nickel	**23**		mg/Kg	0.96	0.26
Selenium	**0.52**	J	mg/Kg	2.9	0.33
Vanadium	**53**		mg/Kg	0.96	0.30
Zinc	**52**		mg/Kg	4.8	0.26
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.95	0.26
Lead	**5.7**		mg/Kg	0.48	0.065
Thallium	**0.18**	J	mg/Kg	0.95	0.13
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.049**	J	mg/Kg	0.16	0.0057
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	**1.7**	J	mg/Kg	10	1.1
ORO C28-C44	**1.9**	B,J	mg/Kg	20	1.1

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-03-8.0 **Lab ID: 482858-044** **Collected: 04/05/23 14:20**
Matrix: Soil

482858-044 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.8**		mg/Kg	0.98	0.27
Lead	**6.4**		mg/Kg	0.49	0.067

Sample ID: TB-230405 **Lab ID: 482858-046** **Collected: 04/05/23 14:45**
Matrix: Water

482858-046 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 8260B Prep Method: EPA 5030B					
Methylene Chloride	**0.6**	J	ug/L	5.0	0.5
Toluene	**0.2**	J	ug/L	5.0	0.1
Bromoform	**3.2**	J	ug/L	5.0	0.08

Sample ID: EB-230405 **Lab ID: 482858-047** **Collected: 04/05/23 14:50**
Matrix: Water

482858-047 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3010A					
Lead	**0.0052**	B,J	mg/L	0.010	0.0024
Method: EPA 8260B Prep Method: EPA 5030B					
Methylene Chloride	**0.5**	J	ug/L	5.0	0.5

B Contamination found in associated Method Blank
C Presence confirmed, but RPD between columns exceeds 40%
J Estimated value

ENTHALPY ANALYTICAL

Chain of Custody Record — Lab No: 48685X — Page: 1 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD - GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th St. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J. OATIUD / B. MERCADO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Arsenic (6010)	CAM 17 Metals (6010B)	Lead (6010B)	VOCs (8260B)	TPH (8015B)	PCBs (8082)	Test Instructions / Comments
1	SB-24-1.0	04/05/23	0743	S	5-VOA	ICE				X	X		EMAIL EDD/ESDAT TO edd@terraphase.com
2	SB-24-5.0		0752		5-VOA					X	X		EMAIL REPORT TO vanya.keyes@terraphase.com
3	SB-24-10.0		0805		5-VOA					X	X		2.5/10.2
4	SB-24-15.0		0810		5-VOA					H	H		10.2/11.3
5	SB-23-1.0		0816		1-8oz / 5-VOA		X		X	X	X		
6	SB-23-5.0		0828				H		H	X	X		H-HOLD
7	SB-23-10.0		0843				H		H	X	X		
8	SB-23-15.0		0845		1-8oz / 5-VOA		H		H	H	H		
9	SB-30-1.0		0851		1-8oz		X	X	X				
10	SB-30-3.0	04/05/23	0905	S	1-8oz	ICE	X	X	X				

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA CATIUD	TRI / GEOTECH	4/5/23 1642
1 Received By:		Annalisa Guevara	ES	4/5/23 1642
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record Lab No: 482850 Page: 2 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	8930.056.003
Address:	16401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th St. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J. CATINO / B. MERCADO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Arsenic (6020)	OCPs (8081A)	LEAD (6010B)	ASBESTOS (PLM)	TTLC 17 METALS (6010B/7471B)	TPH (8015B)	PCBs (8082)	PAHs (8270C)	Test Instructions / Comments
1	SB-38-1.0	4/5/23	0913	S	8oz	ICE	X	X	X						* SEE PAGE 1 *
2	SB-38-3.0		1001	S			X	X	X						
3	SB-38-5.0		1003	S			H	H	H						
4	SB-39-1.0		1019	S			X	X	X						
5	SB-39-3.0		1023	S			X	X	X						
6	SB-39-5.0		1027	S	1-8oz		H	H	H						
7	SB-22-1.0		1028	S	1-8oz/1-4oz		X	X	X	X	X		X	X	
8	SB-22-3.0		1031	S			X	X	X	H	H		H	H	
9	SB-22-5.0		1036	S	1-8oz/1-4oz		H	H	H	H	H		H	H	
10	SB-18-1.0		1043	S	1-8oz/Sleeve	ICE	X	X	X			X			H- HOLD

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA CATINO	TEL / GEOLOGIST	4/5/23 1642
1 Received By:		Amalgoa Guallcamb	ET	4/5/23 1642
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482858

Page: 3 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD - GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056-003
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th St. LOS ANGELES CA
Phone:	(949) 377-2777	Global ID:	
Fax:		Sampled By:	J. CATINO / B. MERCADO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: ARSENIC (6010B)	OCPs (8081A)	LEAD (6010B)	ASBESTOS (PLM)	TITLE 22 METALS (6010B / 7471A)	TPH (8015B)	PCBs (8082)	PAHs (8270C)	VOCs (8260B)	Test Instructions / Comments
1	SB-18-3.0	04/05/23	1045	S	1-8oz/3-VOA	ICE	X	X	X			H				* SEE PAGE 1 *
2	SB-18-5.0		1047		1-8oz/3-VOA		H	H	H			H				
3	SB-15-1.0		1100		1-8oz/1-4oz		X	X	X	X	X					
4	SB-15-3.0		1107		↓		X	X	X	H	H					
5	SB-15-5.0		1114		1-8oz/1-4oz		H	H	H	H	H					
6	SB-40-1.0		1112		1-8oz		X		X							
7	SB-40-3.0		1117		1-8oz/3-VOA		H		H						X	
8	SB-14-1.0		1134		1-8oz		X	X	X							
9	SB-14-3.0	↓	1145	↓	↓	↓	X	X	X							
10	SB-14-5.0	04/05/23	1147	S	1-8oz	ICE	H	H	H							H-HOLD

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA CATINO	TER / GEOLOGIST	4/5/23 1642
1 Received By:		Angelica Salinas	EA	4/5/23 1647
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record Lab No: 402654 Page: 4 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD - GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030.056.003
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6TH ST. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J. GRIWD / B MERCADO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Arsenic (6010)	OCPs (8081A)	Lead (6010B)	Title 22 Metals (6010B/7471)	VOCs (8260B)	TPH (8015B)	Asbestos (PLM)	PCBs (8082)	PAHs (8270C)	Test Instructions / Comments
1	SB-04-1.0	04/05/23	1155	S	1-8oz / 3-VOA	ICE	X	X	X	X	X	X				*SEE PAGE 1*
2	SB-04-3.0		1159		↓		X	X	X	H	X	X				H-HOLD
3	SB-04-5.0		1200		1-8oz / 3-VOA		H	H	H	H	H	H				
4	SB-01-1.0		1242		3-VOA						X					
5	SB-01-3.0		1246		3-VOA						X					
6	SB-01-5.0		1250		3-VOA						H					
7	SB-28-1.0		1311		1-8oz		X	X	X							
8	SB-28-3.0		1314		1-8oz		X	X	X							
9	SB-28-5.0	↓	1318	↓	1-8oz	↓	H	H	H							
10	SB-02-6.0	04/05/23	1345	S	2-8oz / 6-VOA	ICE	X	X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA CORNUS	TER / GEOLOGIST	4/5/23 1642
1 Received By:		Annaleah Smallcomb	EA	4/5/23 1642
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482858

Page: 5 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD-GARFIELD HS
Email:	darren.croteau@terraphase	Proj. #:	5030.056.003
Address:	18401 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA 92612	Address:	5101 E 6th St. LOS ANGELES CA
Phone:	(949) 377-2227	Global ID:	
Fax:		Sampled By:	J. CATINO / B. MERCADO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: (6020) ARSENIC	(6010A) OCPs	(6010B) LEAD	(CAM) ASBESTOS	TITLE 22 METALS (6010B/7471)	(8260B) VOCs	(8015B) TPH	(8082) PCBs	(8270C) PAHs	Test Instructions / Comments
1	SB-02-8.0	04/05/23	1350	S	2-6oz/5-VOA	ICE	X	X	X	H	H	X	X	H	H	
2	SB-02-10.0		1345		2-6oz/5-VOA		H	H	H	H	H	H	H	H	H	
3	SB-03-6.0		1415		2-6oz/5-VOA		X	X	X		X	X	X			
4	SB-03-8.0		1420		2-6oz/5-VOA		X	X	X		H	X	X			
5	SB-03-10.0		1424	S	2-6oz/5-VOA		H	H	H		H	H	H			
6	TB-230405		1445	W	2-VOA							X				
7	EB-230405	04/05/23	1450	W	11	ICE		X			X	X	X	X	X	
8																
9																
10																

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA CATINO	TBT / GEOLOGIST	4/5/23 1642
1 Received By:		Angelica Sinclair	EA	4/5/23 1642
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Terraphase Engineering Project: LAUSD Garfield

Date Received: 4/5/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 2.8 #2: 10.2 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.2 #2: 1.3 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 4/5/23

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

[EXTERNAL] LAUSD Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Wed, Apr 12, 2023 at 1:58 PM
To: Patty Mata <patty.mata@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>

Hello Patty,

Could we please run the following additional analyses for the samples submitted last week for our LAUSD Garfield HS Project on standard turnaround time:

Sample ID	Enthalpy ID	PCBs (8082)	PAHs (8270C)
SB-15-1.0	482858-023	X	X
SB-35-1.0	482773-064	X	
SB-36-1.0	482858-009	X	
SB-38-1.0	482858-011	X	
SB-39-1.0	482858-014	X	

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

www.terraphase.com

terraphase engineering

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

RE: [EXTERNAL] LAUSD Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Fri, Apr 14, 2023 at 12:25 PM
To: Patty Mata <patty.mata@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>, Darren Croteau <darren.croteau@terraphase.com>

Hello Patty,

Yes please we would like to run the jar samples for TPH-d/o. checked the COC and that should be:

- SB-02-6.0
- SB-02-8.0
- SB-03-6.0
- SB-03-8.0
- SB-04-1.0
- SB-04-3.0
- SB-18-1.0
- SB-23-1.0
- SB-23-5.0

Can you please confirm those are the samples that can be run for TPH-d/o? SB-24-1.0 and SB-24-5.0 were in Terracore kits?

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

jonathan.marshak@terraphase.com

From: Patty Mata <patty.mata@enthalpy.com>
Sent: Friday, April 14, 2023 12:12 PM
To: Jonathan Marshak <jonathan.marshak@terraphase.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>; Darren Croteau <darren.croteau@terraphase.com>
Subject: Re: [EXTERNAL] LAUSD Garfield HS

Jon,

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

RE: [EXTERNAL] LAUSD Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Fri, Apr 14, 2023 at 2:37 PM
To: Patty Mata <patty.mata@enthalpy.com>, Daniel Chavez <daniel.chavez@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>, Darren Croteau <darren.croteau@terraphase.com>

Hello Patty,

In addition to the additional TPH tests listed earlier can we please run the following additional tests:

Sample ID	Enthalpy ID	Lead	Lead		Arsenic
		EPA 6020	STLC	TCLP	STLC
SB-13-1.0	482773-070				X
SB-21-1.0	482773-034		X		
SB-22-1.0	482858-017		X	X	
SB-34-3.0	482773-062		X	X	
SB-34-5.0	482773-063	X			
SB-35-1.0	482773-064		X		
SB-36-1.0	482858-009		X		

Sample 482773-063 was previously on hold. All run for standard TAT. We are not sure if we want to run moisture tests yet I will let you know early next week.

thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

ENTHALPY ANALYTICAL

Analysis Results for 482858

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 482858
Project No: LAUSD SCHOOL
Location: LAUSD-Garfield HS S030.056.003
Date Received: 04/05/23

Sample ID: SB-24-1.0 **Lab ID: 482858-001** **Collected: 04/05/23 07:43**
Matrix: Soil

482858-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.4	0.40	0.8	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	85%		%REC	60-140		0.8	311204	04/06/23	04/06/23	LYZ
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.5	1.2	0.9	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.5	2.9	0.9	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.5	1.1	0.9	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.5	1.3	0.9	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.5	1.1	0.9	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.5	1.0	0.9	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	90	18	0.9	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.5	1.0	0.9	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.5	1.7	0.9	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.5	1.0	0.9	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	90	18	0.9	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.5	1.1	0.9	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.5	1.0	0.9	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4-Methyl-2-Pentanone	ND		ug/Kg	4.5	1.6	0.9	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.5	1.0	0.9	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.5	1.7	0.9	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	9.0	1.2	0.9	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.5	1.2	0.9	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.5	0.9	0.9	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.5		0.9	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-145		0.9	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	113%		%REC	70-145		0.9	311376	04/08/23	04/08/23	LYZ
Toluene-d8	96%		%REC	70-145		0.9	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	100%		%REC	70-145		0.9	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-24-5.0	Lab ID: 482858-002	Collected: 04/05/23 07:52
	Matrix: Soil	

482858-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.3	0.39	0.77	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	80%		%REC	60-140		0.77	311204	04/06/23	04/06/23	LYZ
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.6	1.2	0.93	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	3.0	0.93	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.6	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.6	1.4	0.93	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.6	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.6	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	93	19	0.93	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.6	1.0	0.93	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.6	1.7	0.93	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.6	1.0	0.93	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	93	19	0.93	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.6	1.1	0.93	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.6	1.0	0.93	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.6	1.1	0.93	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.6	1.6	0.93	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.6	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichloropropane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.6	1.7	0.93	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	9.3	1.3	0.93	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.6	1.3	0.93	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.6	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.6		0.93	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	112%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
Toluene-d8	98%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	98%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-24-10.0	Lab ID: 482858-003	Collected: 04/05/23 08:05
	Matrix: Soil	

482858-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.8	0.47	0.94	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	82%		%REC	60-140		0.94	311204	04/06/23	04/06/23	LYZ
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.0	1.0	0.8	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	2.5	0.8	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.0	1.0	0.8	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.0	1.2	0.8	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	80	16	0.8	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.0	1.5	0.8	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	80	16	0.8	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.0	1.4	0.8	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.0	1.5	0.8	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.0	1.1	0.8	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.0	1.1	0.8	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.0		0.8	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	112%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ
Toluene-d8	97%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	98%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-23-1.0	Lab ID: 482858-005	Collected: 04/05/23 08:16
	Matrix: Soil	

482858-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**3.7**		mg/Kg	0.96	0.27	0.96	311260	04/06/23	04/07/23	JCP
Lead	**17**		mg/Kg	0.48	0.066	0.96	311260	04/06/23	04/07/23	JCP
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.6	0.43	0.87	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	80%		%REC	60-140		0.87	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	**10**	J	mg/Kg	20	2.1	2	312026	04/18/23	04/18/23	SME
ORO C28-C44	**140**		mg/Kg	40	2.1	2	312026	04/18/23	04/18/23	SME
Surrogates				**Limits**						
n-Triacontane	94%		%REC	70-130		2	312026	04/18/23	04/18/23	SME
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.8	1.3	0.97	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.8	3.1	0.97	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.8	1.2	0.97	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.8	1.4	0.97	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.8	1.1	0.97	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.8	1.1	0.97	311376	04/08/23	04/08/23	LYZ
Acetone	**20**	B,J	ug/Kg	97	19	0.97	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.8	1.8	0.97	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	97	19	0.97	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.8	1.1	0.97	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Benzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.8	1.1	0.97	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.8	1.7	0.97	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.8	1.1	0.97	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.8	1.8	0.97	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	9.7	1.3	0.97	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	**1.5**	J	ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.8	1.3	0.97	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.8	1.0	0.97	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.8		0.97	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	103%		%REC	70-145		0.97	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	113%		%REC	70-145		0.97	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Toluene-d8	95%		%REC	70-145		0.97	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	97%		%REC	70-145		0.97	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-23-5.0	Lab ID: 482858-006	Collected: 04/05/23 08:28
	Matrix: Soil	

482858-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.5	0.41	0.82	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	77%		%REC	60-140		0.82	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	**5.8**	J	mg/Kg	10	1.1	1	312026	04/18/23	04/18/23	SME
ORO C28-C44	**16**	J	mg/Kg	20	1.1	1	312026	04/18/23	04/18/23	SME
Surrogates				**Limits**						
n-Triacontane	92%		%REC	70-130		1	312026	04/18/23	04/18/23	SME
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.2	1.1	0.83	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	2.7	0.83	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.2	1.0	0.83	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.2	1.2	0.83	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.2	1.0	0.83	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.2	1.0	0.83	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	83	17	0.83	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.2	0.9	0.83	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.2	1.5	0.83	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.2	0.9	0.83	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	83	17	0.83	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.2	1.0	0.83	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.2	0.9	0.83	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromomethane	ND		ug/Kg	4.2	1.0	0.83	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.2	1.5	0.83	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.2	1.0	0.83	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.2	1.5	0.83	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.3	1.1	0.83	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.2	1.1	0.83	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.2	0.8	0.83	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.2		0.83	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-145		0.83	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	115%		%REC	70-145		0.83	311376	04/08/23	04/08/23	LYZ
Toluene-d8	96%		%REC	70-145		0.83	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	98%		%REC	70-145		0.83	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-23-10.0	Lab ID: 482858-007	Collected: 04/05/23 08:43
	Matrix: Soil	

482858-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.5	0.42	0.84	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	83%		%REC	60-140		0.84	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	ND		mg/Kg	9.9	1.1	0.99	312108	04/19/23	04/21/23	BJG
ORO C28-C44	ND		mg/Kg	20	1.1	0.99	312108	04/19/23	04/21/23	BJG
Surrogates				**Limits**						
n-Triacontane	106%		%REC	70-130		0.99	312108	04/19/23	04/21/23	BJG
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.0	1.0	0.8	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	2.6	0.8	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.0	1.0	0.8	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.0	1.2	0.8	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	80	16	0.8	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.0	1.5	0.8	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	80	16	0.8	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.0	1.0	0.8	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Dibromomethane	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.0	1.4	0.8	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.0	0.9	0.8	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.0	1.5	0.8	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.0	1.1	0.8	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.0	1.1	0.8	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.0	0.8	0.8	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.0		0.8	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	114%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ
Toluene-d8	96%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	98%		%REC	70-145		0.8	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-36-1.0	Lab ID: 482858-009	Collected: 04/05/23 08:51

482858-009 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: METHOD											
Lead	**0.44**		mg/L	0.15	0.036	WET Leachate	10	311941	04/20/23	04/21/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**13**		mg/Kg	0.96	0.27	Soil	0.96	311260	04/06/23	04/07/23	JCP
Lead	**92**		mg/Kg	0.48	0.066	Soil	0.96	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	1.2	Soil	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	Soil	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	Soil	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	Soil	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	Soil	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	Soil	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	Soil	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	Soil	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	Soil	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	Soil	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	Soil	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	**2.6**	J	ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	Soil	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	Soil	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	**41**	J	ug/Kg	50	9.1	Soil	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**							
TCMX	72%		%REC	23-120		Soil	1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	65%		%REC	24-120		Soil	1	311319	04/07/23	04/08/23	MES
Method: EPA 8082 Prep Method: EPA 3546											
Aroclor-1016	ND		ug/Kg	50	14	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1232	ND		ug/Kg	50	19	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.6	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	Soil	1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482858

482858-009 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**							
Decachlorobiphenyl (PCB)	76%		%REC	19-121		Soil	1	311319	04/07/23	04/08/23	MES

Sample ID: SB-36-3.0 **Lab ID: 482858-010** **Collected: 04/05/23 09:05**
Matrix: Soil

482858-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.4**		mg/Kg	0.95	0.26	0.95	311260	04/06/23	04/07/23	JCP
Lead	**3.0**		mg/Kg	0.48	0.065	0.95	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	83%		%REC	23-120		1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	85%		%REC	24-120		1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-38-1.0	Lab ID: 482858-011	Collected: 04/05/23 09:13
	Matrix: Soil	

482858-011 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**12**		mg/Kg	0.95	0.26	0.95	311260	04/06/23	04/07/23	JCP
Lead	**31**		mg/Kg	0.48	0.065	0.95	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	75%		%REC	23-120		1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	73%		%REC	24-120		1	311319	04/07/23	04/08/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	311319	04/07/23	04/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	311319	04/07/23	04/08/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	311319	04/07/23	04/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	311319	04/07/23	04/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	311319	04/07/23	04/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.6	1	311319	04/07/23	04/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	311319	04/07/23	04/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	311319	04/07/23	04/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	94%		%REC	19-121		1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-38-3.0	Lab ID: 482858-012	Collected: 04/05/23 10:01
	Matrix: Soil	

482858-012 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**6.8**		mg/Kg	0.96	0.20	0.96	311260	04/06/23	04/07/23	JCP
Lead	**7.7**		mg/Kg	0.48	0.088	0.96	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	76%		%REC	23-120		1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	72%		%REC	24-120		1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-39-1.0	Lab ID: 482858-014	Collected: 04/05/23 10:19
	Matrix: Soil	

482858-014 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**12**		mg/Kg	0.95	0.20	0.95	311260	04/06/23	04/07/23	JCP
Lead	**29**		mg/Kg	0.48	0.087	0.95	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	67%		%REC	23-120		0.99	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	71%		%REC	24-120		0.99	311319	04/07/23	04/08/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1232	ND		ug/Kg	50	18	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.5	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	0.99	311319	04/07/23	04/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	0.99	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	89%		%REC	19-121		0.99	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-39-3.0	Lab ID: 482858-015	Collected: 04/05/23 10:23
	Matrix: Soil	

482858-015 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.8**		mg/Kg	0.95	0.20	0.95	311260	04/06/23	04/07/23	JCP
Lead	**6.5**		mg/Kg	0.48	0.087	0.95	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	79%		%REC	23-120		1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	73%		%REC	24-120		1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-22-1.0	Lab ID: 482858-017	Collected: 04/05/23 10:28

482858-017 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A											
Lead	**0.0085**	J	mg/L	0.015	0.0036	TCLP Leachate	1	312183	04/20/23	04/21/23	THP
Method: EPA 6010B Prep Method: EPA 3050B											
Antimony	**1.2**	J	mg/Kg	2.9	0.50	Soil	0.97	311307	04/07/23	04/08/23	KLN
Barium	**180**		mg/Kg	0.97	0.078	Soil	0.97	311307	04/07/23	04/08/23	KLN
Beryllium	ND		mg/Kg	0.49	0.33	Soil	0.97	311307	04/07/23	04/08/23	KLN
Cadmium	ND		mg/Kg	0.49	0.065	Soil	0.97	311307	04/07/23	04/08/23	KLN
Chromium	**37**		mg/Kg	0.97	0.072	Soil	0.97	311307	04/07/23	04/08/23	KLN
Cobalt	**10**		mg/Kg	0.49	0.13	Soil	0.97	311307	04/07/23	04/08/23	KLN
Copper	**27**		mg/Kg	0.97	0.25	Soil	0.97	311307	04/07/23	04/08/23	KLN
Molybdenum	**1.0**		mg/Kg	0.97	0.36	Soil	0.97	311307	04/07/23	04/08/23	KLN
Nickel	**25**		mg/Kg	0.97	0.26	Soil	0.97	311307	04/07/23	04/08/23	KLN
Selenium	**0.80**	J	mg/Kg	2.9	0.33	Soil	0.97	311307	04/07/23	04/08/23	KLN
Silver	ND		mg/Kg	0.49	0.12	Soil	0.97	311307	04/07/23	04/08/23	KLN
Thallium	ND		mg/Kg	2.9	0.56	Soil	0.97	311307	04/07/23	04/08/23	KLN
Vanadium	**55**		mg/Kg	0.97	0.31	Soil	0.97	311307	04/07/23	04/08/23	KLN
Zinc	**100**		mg/Kg	4.9	0.27	Soil	0.97	311307	04/07/23	04/08/23	KLN
Method: EPA 6010B Prep Method: METHOD											
Lead	**0.28**		mg/L	0.15	0.036	WET Leachate	10	311941	04/20/23	04/21/23	SBW
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**6.0**		mg/Kg	0.95	0.20	Soil	0.95	311260	04/06/23	04/07/23	JCP
Lead	**150**		mg/Kg	0.48	0.087	Soil	0.95	311260	04/06/23	04/07/23	JCP
Thallium	ND		mg/Kg	0.95	0.45	Soil	0.95	311260	04/06/23	04/07/23	JCP
Method: EPA 7471A Prep Method: METHOD											
Mercury	**0.032**	J	mg/Kg	0.17	0.0060	Soil	1.2	311296	04/07/23	04/07/23	KAM
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND		ug/Kg	5.0	1.2	Soil	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	Soil	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	Soil	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	Soil	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	Soil	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	Soil	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-017 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDE	**11**		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	Soil	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	Soil	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	Soil	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	Soil	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	Soil	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	**12**		ug/Kg	5.0	1.4	Soil	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	Soil	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	Soil	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	**440**		ug/Kg	50	11	Soil	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**							
TCMX	73%		%REC	23-120		Soil	1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	73%		%REC	24-120		Soil	1	311319	04/07/23	04/08/23	MES
Method: EPA 8082 Prep Method: EPA 3546											
Aroclor-1016	ND		ug/Kg	50	14	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1221	ND		ug/Kg	50	23	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1232	ND		ug/Kg	50	19	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1242	ND		ug/Kg	50	18	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1248	ND		ug/Kg	50	21	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1254	ND		ug/Kg	50	6.6	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1260	ND		ug/Kg	50	24	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1262	ND		ug/Kg	50	16	Soil	1	311319	04/07/23	04/08/23	MES
Aroclor-1268	ND		ug/Kg	50	13	Soil	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**							
Decachlorobiphenyl (PCB)	87%		%REC	19-121		Soil	1	311319	04/07/23	04/08/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546											
1-Methylnaphthalene	ND		ug/Kg	10	3.0	Soil	1	311426	04/10/23	04/10/23	TJW
2-Methylnaphthalene	ND		ug/Kg	10	3.0	Soil	1	311426	04/10/23	04/10/23	TJW
Naphthalene	ND		ug/Kg	10	3.1	Soil	1	311426	04/10/23	04/10/23	TJW
Acenaphthylene	ND		ug/Kg	10	2.5	Soil	1	311426	04/10/23	04/10/23	TJW
Acenaphthene	ND		ug/Kg	10	2.7	Soil	1	311426	04/10/23	04/10/23	TJW
Fluorene	ND		ug/Kg	10	2.6	Soil	1	311426	04/10/23	04/10/23	TJW
Phenanthrene	**2.8**	J	ug/Kg	10	2.3	Soil	1	311426	04/10/23	04/10/23	TJW
Anthracene	ND		ug/Kg	10	1.8	Soil	1	311426	04/10/23	04/10/23	TJW
Fluoranthene	**6.5**	J	ug/Kg	10	1.0	Soil	1	311426	04/10/23	04/10/23	TJW
Pyrene	**5.8**	J	ug/Kg	10	1.2	Soil	1	311426	04/10/23	04/10/23	TJW
Benzo(a)anthracene	**3.5**	J	ug/Kg	10	0.95	Soil	1	311426	04/10/23	04/10/23	TJW
Chrysene	**4.1**	J	ug/Kg	10	1.2	Soil	1	311426	04/10/23	04/10/23	TJW
Benzo(b)fluoranthene	**4.3**	J	ug/Kg	10	1.2	Soil	1	311426	04/10/23	04/10/23	TJW
Benzo(k)fluoranthene	**1.9**	J	ug/Kg	10	1.9	Soil	1	311426	04/10/23	04/10/23	TJW
Benzo(a)pyrene	**3.7**	J	ug/Kg	10	2.0	Soil	1	311426	04/10/23	04/10/23	TJW
Indeno(1,2,3-cd)pyrene	**2.3**	J	ug/Kg	10	1.1	Soil	1	311426	04/10/23	04/10/23	TJW

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482858

482858-017 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	Soil	1	311426	04/10/23	04/10/23	TJW
Benzo(g,h,i)perylene	**2.7**	J	ug/Kg	10	1.4	Soil	1	311426	04/10/23	04/10/23	TJW
Surrogates				**Limits**							
Nitrobenzene-d5	82%		%REC	27-125		Soil	1	311426	04/10/23	04/10/23	TJW
2-Fluorobiphenyl	78%		%REC	30-120		Soil	1	311426	04/10/23	04/10/23	TJW
Terphenyl-d14	87%		%REC	33-155		Soil	1	311426	04/10/23	04/10/23	TJW

Sample ID: SB-22-3.0 **Lab ID: 482858-018** **Collected: 04/05/23 10:31**
Matrix: Soil

482858-018 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.6**		mg/Kg	0.99	0.20	0.99	311260	04/06/23	04/07/23	JCP
Lead	**13**		mg/Kg	0.50	0.090	0.99	311260	04/06/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	**500**		ug/Kg	50	11	1	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	75%		%REC	23-120		1	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	72%		%REC	24-120		1	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-18-1.0	Lab ID: 482858-020	Collected: 04/05/23 10:43
	Matrix: Soil	

482858-020 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.7**		mg/Kg	0.98	0.20	0.98	311260	04/06/23	04/07/23	JCP
Lead	**15**		mg/Kg	0.49	0.089	0.98	311260	04/06/23	04/07/23	JCP
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.9	0.48	0.96	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	81%		%REC	60-140		0.96	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	**8.6**	J	mg/Kg	20	2.1	2	312026	04/18/23	04/18/23	SME
ORO C28-C44	**70**		mg/Kg	40	2.1	2	312026	04/18/23	04/18/23	SME
Surrogates				**Limits**						
n-Triacontane	93%		%REC	70-130		2	312026	04/18/23	04/18/23	SME
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	25	6.1	5	311319	04/07/23	04/08/23	MES
beta-BHC	ND		ug/Kg	25	8.3	5	311319	04/07/23	04/08/23	MES
gamma-BHC	ND		ug/Kg	25	5.2	5	311319	04/07/23	04/08/23	MES
delta-BHC	ND		ug/Kg	25	6.7	5	311319	04/07/23	04/08/23	MES
Heptachlor	ND		ug/Kg	25	7.5	5	311319	04/07/23	04/08/23	MES
Aldrin	ND		ug/Kg	25	6.4	5	311319	04/07/23	04/08/23	MES
Heptachlor epoxide	ND		ug/Kg	25	9.0	5	311319	04/07/23	04/08/23	MES
Endosulfan I	ND		ug/Kg	25	7.1	5	311319	04/07/23	04/08/23	MES
Dieldrin	ND		ug/Kg	25	7.1	5	311319	04/07/23	04/08/23	MES
4,4'-DDE	ND		ug/Kg	25	7.1	5	311319	04/07/23	04/08/23	MES
Endrin	ND		ug/Kg	25	7.8	5	311319	04/07/23	04/08/23	MES
Endosulfan II	ND		ug/Kg	25	7.8	5	311319	04/07/23	04/08/23	MES
Endosulfan sulfate	ND		ug/Kg	25	8.1	5	311319	04/07/23	04/08/23	MES
4,4'-DDD	ND		ug/Kg	25	5.5	5	311319	04/07/23	04/08/23	MES
Endrin aldehyde	ND		ug/Kg	25	8.4	5	311319	04/07/23	04/08/23	MES
Endrin ketone	ND		ug/Kg	25	6.9	5	311319	04/07/23	04/08/23	MES
4,4'-DDT	ND		ug/Kg	25	7.2	5	311319	04/07/23	04/08/23	MES
Methoxychlor	ND		ug/Kg	50	25	5	311319	04/07/23	04/08/23	MES
Toxaphene	ND		ug/Kg	500	73	5	311319	04/07/23	04/08/23	MES
Chlordane (Technical)	**100**	J	ug/Kg	250	54	5	311319	04/07/23	04/08/23	MES
Surrogates				**Limits**						
TCMX	87%		%REC	23-120		5	311319	04/07/23	04/08/23	MES
Decachlorobiphenyl	90%		%REC	24-120		5	311319	04/07/23	04/08/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-18-3.0	Lab ID: 482858-021	Collected: 04/05/23 10:45
	Matrix: Soil	

482858-021 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.7**		mg/Kg	0.96	0.27	0.96	311301	04/07/23	04/07/23	JCP
Lead	**5.8**		mg/Kg	0.48	0.066	0.96	311301	04/07/23	04/07/23	JCP
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.3	0.38	0.77	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	87%		%REC	60-140		0.77	311204	04/06/23	04/06/23	LYZ
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	71%		%REC	23-120		1	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	67%		%REC	24-120		1	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-15-1.0	Lab ID: 482858-023	Collected: 04/05/23 11:00
	Matrix: Soil	

482858-023 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**1.3**	J	mg/Kg	2.9	0.51	0.98	311307	04/07/23	04/08/23	KLN
Barium	**110**		mg/Kg	0.98	0.079	0.98	311307	04/07/23	04/08/23	KLN
Beryllium	ND		mg/Kg	0.49	0.33	0.98	311307	04/07/23	04/08/23	KLN
Cadmium	ND		mg/Kg	0.49	0.065	0.98	311307	04/07/23	04/08/23	KLN
Chromium	**30**		mg/Kg	0.98	0.073	0.98	311307	04/07/23	04/08/23	KLN
Cobalt	**9.0**		mg/Kg	0.49	0.14	0.98	311307	04/07/23	04/08/23	KLN
Copper	**20**		mg/Kg	0.98	0.26	0.98	311307	04/07/23	04/08/23	KLN
Molybdenum	**0.80**	J	mg/Kg	0.98	0.36	0.98	311307	04/07/23	04/08/23	KLN
Nickel	**17**		mg/Kg	0.98	0.26	0.98	311307	04/07/23	04/08/23	KLN
Selenium	ND		mg/Kg	2.9	0.34	0.98	311307	04/07/23	04/08/23	KLN
Silver	ND		mg/Kg	0.49	0.12	0.98	311307	04/07/23	04/08/23	KLN
Thallium	ND		mg/Kg	2.9	0.56	0.98	311307	04/07/23	04/08/23	KLN
Vanadium	**45**		mg/Kg	0.98	0.31	0.98	311307	04/07/23	04/08/23	KLN
Zinc	**62**		mg/Kg	4.9	0.27	0.98	311307	04/07/23	04/08/23	KLN
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.8**		mg/Kg	0.98	0.27	0.98	311301	04/07/23	04/07/23	JCP
Lead	**15**		mg/Kg	0.49	0.067	0.98	311301	04/07/23	04/07/23	JCP
Thallium	**0.26**	J	mg/Kg	0.98	0.14	0.98	311301	04/07/23	04/07/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.021**	J	mg/Kg	0.14	0.0052	1	311296	04/07/23	04/07/23	KAM
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	25	6.1	5	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	25	8.3	5	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	25	5.2	5	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	25	6.7	5	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	25	7.5	5	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	25	6.4	5	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	25	9.0	5	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	25	7.1	5	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	25	7.1	5	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	25	7.1	5	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	25	7.8	5	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	25	7.8	5	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	25	8.1	5	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	25	5.5	5	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	25	8.4	5	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	25	6.9	5	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-023 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
4,4'-DDT	ND		ug/Kg	25	7.2	5	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	50	25	5	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	500	73	5	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	250	54	5	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	76%		%REC	23-120		5	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	78%		%REC	24-120		5	311319	04/07/23	04/09/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	311319	04/07/23	04/12/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	311319	04/07/23	04/12/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	311319	04/07/23	04/12/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	311319	04/07/23	04/12/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	311319	04/07/23	04/12/23	MES
Aroclor-1254	ND		ug/Kg	50	6.5	1	311319	04/07/23	04/12/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	311319	04/07/23	04/12/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	311319	04/07/23	04/12/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	311319	04/07/23	04/12/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	68%		%REC	19-121		1	311319	04/07/23	04/12/23	MES
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	9.9	3.0	0.99	311609	04/13/23	04/13/23	TJW
2-Methylnaphthalene	ND		ug/Kg	9.9	2.9	0.99	311609	04/13/23	04/13/23	TJW
Naphthalene	ND		ug/Kg	9.9	3.1	0.99	311609	04/13/23	04/13/23	TJW
Acenaphthylene	ND		ug/Kg	9.9	2.5	0.99	311609	04/13/23	04/13/23	TJW
Acenaphthene	ND		ug/Kg	9.9	2.7	0.99	311609	04/13/23	04/13/23	TJW
Fluorene	ND		ug/Kg	9.9	2.6	0.99	311609	04/13/23	04/13/23	TJW
Phenanthrene	ND		ug/Kg	9.9	2.3	0.99	311609	04/13/23	04/13/23	TJW
Anthracene	ND		ug/Kg	9.9	1.8	0.99	311609	04/13/23	04/13/23	TJW
Fluoranthene	ND		ug/Kg	9.9	0.99	0.99	311609	04/13/23	04/13/23	TJW
Pyrene	ND		ug/Kg	9.9	1.2	0.99	311609	04/13/23	04/13/23	TJW
Benzo(a)anthracene	ND		ug/Kg	9.9	0.94	0.99	311609	04/13/23	04/13/23	TJW
Chrysene	ND		ug/Kg	9.9	1.2	0.99	311609	04/13/23	04/13/23	TJW
Benzo(b)fluoranthene	ND		ug/Kg	9.9	1.2	0.99	311609	04/13/23	04/13/23	TJW
Benzo(k)fluoranthene	ND		ug/Kg	9.9	1.9	0.99	311609	04/13/23	04/13/23	TJW
Benzo(a)pyrene	ND		ug/Kg	9.9	2.0	0.99	311609	04/13/23	04/13/23	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9	1.1	0.99	311609	04/13/23	04/13/23	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	9.9	1.3	0.99	311609	04/13/23	04/13/23	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	9.9	1.4	0.99	311609	04/13/23	04/13/23	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	61%		%REC	27-125		0.99	311609	04/13/23	04/13/23	TJW
2-Fluorobiphenyl	45%		%REC	30-120		0.99	311609	04/13/23	04/13/23	TJW
Terphenyl-d14	38%		%REC	33-155		0.99	311609	04/13/23	04/13/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-15-3.0	Lab ID: 482858-024	Collected: 04/05/23 11:07
	Matrix: Soil	

482858-024 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.3**		mg/Kg	0.97	0.27	0.97	311301	04/07/23	04/07/23	JCP
Lead	**25**		mg/Kg	0.49	0.066	0.97	311301	04/07/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Dieldrin	**7.5**		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDT	**3.8**	J	ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	**100**		ug/Kg	50	11	0.99	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	93%		%REC	23-120		0.99	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	85%		%REC	24-120		0.99	311319	04/07/23	04/09/23	MES

Sample ID: SB-40-1.0	Lab ID: 482858-026	Collected: 04/05/23 11:12
	Matrix: Soil	

482858-026 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.97	0.27	0.97	311301	04/07/23	04/07/23	JCP
Lead	**9.7**		mg/Kg	0.49	0.066	0.97	311301	04/07/23	04/07/23	JCP

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-40-3.0	Lab ID: 482858-027	Collected: 04/05/23 11:17
	Matrix: Soil	

482858-027 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.6	1.2	0.92	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.6	3.0	0.92	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.6	1.1	0.92	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.6	1.3	0.92	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.6	1.1	0.92	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.6	1.1	0.92	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	92	18	0.92	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.6	1.0	0.92	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.6	1.7	0.92	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.6	1.0	0.92	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	92	18	0.92	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.6	1.1	0.92	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.6	1.1	0.92	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.6	1.6	0.92	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.6	1.1	0.92	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.6	1.7	0.92	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-027 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	9.2	1.2	0.92	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.6	1.3	0.92	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.6	0.9	0.92	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.6		0.92	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	102%		%REC	70-145		0.92	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	111%		%REC	70-145		0.92	311376	04/08/23	04/08/23	LYZ
Toluene-d8	98%		%REC	70-145		0.92	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	97%		%REC	70-145		0.92	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-14-1.0	Lab ID: 482858-028	Collected: 04/05/23 11:34
	Matrix: Soil	

482858-028 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.1**		mg/Kg	0.96	0.27	0.96	311301	04/07/23	04/07/23	JCP
Lead	**12**		mg/Kg	0.48	0.066	0.96	311301	04/07/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	**14**	J	ug/Kg	50	9.0	0.99	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	78%		%REC	23-120		0.99	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	72%		%REC	24-120		0.99	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-14-3.0	Lab ID: 482858-029	Collected: 04/05/23 11:45
	Matrix: Soil	

482858-029 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**6.2**		mg/Kg	1.0	0.28	1	311301	04/07/23	04/07/23	JCP
Lead	**39**		mg/Kg	0.50	0.068	1	311301	04/07/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Dieldrin	**4.1**	J	ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDE	**1.7**	J	ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDT	**3.5**	C,J	ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	**35**	J	ug/Kg	50	11	1	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	89%		%REC	23-120		1	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	78%		%REC	24-120		1	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-04-1.0	Lab ID: 482858-031	Collected: 04/05/23 11:55
	Matrix: Soil	

482858-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**0.53**	J	mg/Kg	3.0	0.51	0.99	311307	04/07/23	04/08/23	KLN
Barium	**59**		mg/Kg	0.99	0.080	0.99	311307	04/07/23	04/08/23	KLN
Beryllium	ND		mg/Kg	0.50	0.34	0.99	311307	04/07/23	04/08/23	KLN
Cadmium	ND		mg/Kg	0.50	0.066	0.99	311307	04/07/23	04/08/23	KLN
Chromium	**11**		mg/Kg	0.99	0.073	0.99	311307	04/07/23	04/08/23	KLN
Cobalt	**4.9**		mg/Kg	0.50	0.14	0.99	311307	04/07/23	04/08/23	KLN
Copper	**13**		mg/Kg	0.99	0.26	0.99	311307	04/07/23	04/08/23	KLN
Molybdenum	ND		mg/Kg	0.99	0.36	0.99	311307	04/07/23	04/08/23	KLN
Nickel	**6.9**		mg/Kg	0.99	0.27	0.99	311307	04/07/23	04/08/23	KLN
Selenium	ND		mg/Kg	3.0	0.34	0.99	311307	04/07/23	04/08/23	KLN
Silver	ND		mg/Kg	0.50	0.12	0.99	311307	04/07/23	04/08/23	KLN
Thallium	ND		mg/Kg	3.0	0.57	0.99	311307	04/07/23	04/08/23	KLN
Vanadium	**34**		mg/Kg	0.99	0.31	0.99	311307	04/07/23	04/08/23	KLN
Zinc	**36**		mg/Kg	5.0	0.27	0.99	311307	04/07/23	04/08/23	KLN
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**1.8**		mg/Kg	0.99	0.27	0.99	311301	04/07/23	04/07/23	JCP
Lead	**5.1**		mg/Kg	0.50	0.068	0.99	311301	04/07/23	04/07/23	JCP
Thallium	ND		mg/Kg	0.99	0.14	0.99	311301	04/07/23	04/07/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.091**	J	mg/Kg	0.14	0.0052	1	311296	04/07/23	04/07/23	KAM
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.4	0.40	0.79	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	79%		%REC	60-140		0.79	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	**1.5**	J	mg/Kg	9.9	1.1	0.99	312026	04/18/23	04/18/23	SME
ORO C28-C44	ND		mg/Kg	20	1.1	0.99	312026	04/18/23	04/18/23	SME
Surrogates				**Limits**						
n-Triacontane	91%		%REC	70-130		0.99	312026	04/18/23	04/18/23	SME
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	75%		%REC	23-120		0.99	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	72%		%REC	24-120		0.99	311319	04/07/23	04/09/23	MES
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.5	1.2	0.89	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.5	2.9	0.89	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.5	1.1	0.89	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.5	1.3	0.89	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.5	1.1	0.89	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.5	1.0	0.89	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	89	18	0.89	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.5	1.0	0.89	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.5	1.6	0.89	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.5	1.0	0.89	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	89	18	0.89	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.5	1.1	0.89	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Benzene	**1.1**	J	ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichloroethene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.5	1.0	0.89	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.5	1.6	0.89	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.5	1.0	0.89	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.5	1.7	0.89	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.9	1.2	0.89	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.5	1.2	0.89	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.5	0.9	0.89	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.5		0.89	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	97%		%REC	70-145		0.89	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	104%		%REC	70-145		0.89	311376	04/08/23	04/08/23	LYZ
Toluene-d8	101%		%REC	70-145		0.89	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482858

482858-031 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromofluorobenzene	96%		%REC	70-145		0.89	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-04-3.0	Lab ID: 482858-032	Collected: 04/05/23 11:59
	Matrix: Soil	

482858-032 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.0**		mg/Kg	0.97	0.27	0.97	311301	04/07/23	04/07/23	JCP
Lead	**5.6**		mg/Kg	0.49	0.066	0.97	311301	04/07/23	04/07/23	JCP
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.3	0.38	0.76	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	75%		%REC	60-140		0.76	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	ND		mg/Kg	10	1.1	1	312026	04/18/23	04/18/23	SME
ORO C28-C44	ND		mg/Kg	20	1.1	1	312026	04/18/23	04/18/23	SME
Surrogates				**Limits**						
n-Triacontane	95%		%REC	70-130		1	312026	04/18/23	04/18/23	SME
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	89%		%REC	23-120		1	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	84%		%REC	24-120		1	311319	04/07/23	04/09/23	MES
Method: EPA 8260B Prep Method: EPA 5035										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-032 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
3-Chloropropene	ND		ug/Kg	3.7	1.0	0.75	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.7	2.4	0.75	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	3.7	0.9	0.75	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	3.7	1.1	0.75	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	3.7	0.9	0.75	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	3.7	0.9	0.75	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	75	15	0.75	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	3.7	0.8	0.75	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	3.7	1.4	0.75	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	3.7	0.8	0.75	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	75	15	0.75	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	3.7	0.9	0.75	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	3.7	0.8	0.75	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	3.7	0.9	0.75	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	3.7	1.3	0.75	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	3.7	0.9	0.75	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	3.7	1.4	0.75	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	7.5	1.0	0.75	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-032 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Isopropylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.7	1.0	0.75	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	3.7	0.7	0.75	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	3.7		0.75	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	101%		%REC	70-145		0.75	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	109%		%REC	70-145		0.75	311376	04/08/23	04/08/23	LYZ
Toluene-d8	97%		%REC	70-145		0.75	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	98%		%REC	70-145		0.75	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-01-1.0	Lab ID: 482858-034	Collected: 04/05/23 12:42
	Matrix: Soil	

482858-034 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.1	1.1	0.81	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.1	2.6	0.81	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.1	1.0	0.81	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.1	1.2	0.81	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.1	1.0	0.81	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.1	0.9	0.81	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	81	16	0.81	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.1	0.9	0.81	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.1	1.5	0.81	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.1	0.9	0.81	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	81	16	0.81	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.1	1.0	0.81	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.1	0.9	0.81	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.1	1.4	0.81	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.1	0.9	0.81	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.1	1.5	0.81	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-034 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.1	1.1	0.81	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.1	1.1	0.81	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.1	0.8	0.81	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.1		0.81	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		0.81	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	115%		%REC	70-145		0.81	311376	04/08/23	04/08/23	LYZ
Toluene-d8	97%		%REC	70-145		0.81	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	98%		%REC	70-145		0.81	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

Sample ID: SB-01-3.0	Lab ID: 482858-035	Collected: 04/05/23 12:46
	Matrix: Soil	

482858-035 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	5.1	1.3	1	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.1	3.3	1	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	5.1	1.2	1	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	5.1	1.5	1	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	5.1	1.2	1	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.1	1.2	1	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	100	21	1	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	5.1	1.1	1	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	5.1	1.9	1	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	5.1	1.1	1	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	100	21	1	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.1	1.2	1	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.1	1.1	1	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	5.1	1.2	1	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.1	1.8	1	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.1	1.2	1	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.1	1.9	1	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-035 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	10	1.4	1	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.1	1.4	1	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.1	1.0	1	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	5.1		1	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		1	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	106%		%REC	70-145		1	311376	04/08/23	04/08/23	LYZ
Toluene-d8	99%		%REC	70-145		1	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	95%		%REC	70-145		1	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-28-1.0	Lab ID: 482858-037	Collected: 04/05/23 13:11
	Matrix: Soil	

482858-037 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.9**		mg/Kg	0.97	0.27	0.97	311301	04/07/23	04/07/23	JCP
Lead	**44**		mg/Kg	0.49	0.066	0.97	311301	04/07/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDE	**3.3**	J	ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	89%		%REC	23-120		0.99	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	86%		%REC	24-120		0.99	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-28-3.0	Lab ID: 482858-038	Collected: 04/05/23 13:14
	Matrix: Soil	

482858-038 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.97	0.27	0.97	311301	04/07/23	04/07/23	JCP
Lead	**5.5**		mg/Kg	0.49	0.066	0.97	311301	04/07/23	04/07/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	0.99	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	0.99	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	0.99	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	0.99	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	0.99	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	0.99	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	0.99	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	0.99	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	0.99	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	86%		%REC	23-120		0.99	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	79%		%REC	24-120		0.99	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-02-6.0	Lab ID: 482858-040	Collected: 04/05/23 13:45
	Matrix: Soil	

482858-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**1.5**	J	mg/Kg	3.0	0.51	0.99	311307	04/07/23	04/08/23	KLN
Barium	**140**		mg/Kg	0.99	0.080	0.99	311307	04/07/23	04/08/23	KLN
Beryllium	ND		mg/Kg	0.50	0.34	0.99	311307	04/07/23	04/08/23	KLN
Cadmium	ND		mg/Kg	0.50	0.066	0.99	311307	04/07/23	04/08/23	KLN
Chromium	**36**		mg/Kg	0.99	0.073	0.99	311307	04/07/23	04/08/23	KLN
Cobalt	**12**		mg/Kg	0.50	0.14	0.99	311307	04/07/23	04/08/23	KLN
Copper	**25**		mg/Kg	0.99	0.26	0.99	311307	04/07/23	04/08/23	KLN
Molybdenum	**0.66**	J	mg/Kg	0.99	0.36	0.99	311307	04/07/23	04/08/23	KLN
Nickel	**25**		mg/Kg	0.99	0.27	0.99	311307	04/07/23	04/08/23	KLN
Selenium	**0.35**	J	mg/Kg	3.0	0.34	0.99	311307	04/07/23	04/08/23	KLN
Silver	ND		mg/Kg	0.50	0.12	0.99	311307	04/07/23	04/08/23	KLN
Thallium	ND		mg/Kg	3.0	0.57	0.99	311307	04/07/23	04/08/23	KLN
Vanadium	**56**		mg/Kg	0.99	0.31	0.99	311307	04/07/23	04/08/23	KLN
Zinc	**55**		mg/Kg	5.0	0.27	0.99	311307	04/07/23	04/08/23	KLN
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.8**		mg/Kg	0.99	0.27	0.99	311301	04/07/23	04/07/23	JCP
Lead	**6.1**		mg/Kg	0.50	0.068	0.99	311301	04/07/23	04/07/23	JCP
Thallium	**0.18**	J	mg/Kg	0.99	0.14	0.99	311301	04/07/23	04/07/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.045**	J	mg/Kg	0.15	0.0053	1.1	311296	04/07/23	04/07/23	KAM
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.5	0.41	0.82	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	61%		%REC	60-140		0.82	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	ND		mg/Kg	10	1.1	1	312026	04/18/23	04/18/23	SME
ORO C28-C44	ND		mg/Kg	20	1.1	1	312026	04/18/23	04/18/23	SME
Surrogates				**Limits**						
n-Triacontane	89%		%REC	70-130		1	312026	04/18/23	04/18/23	SME
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	78%		%REC	23-120		1	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	78%		%REC	24-120		1	311319	04/07/23	04/09/23	MES
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND		ug/Kg	50	14	1	311319	04/07/23	04/09/23	MES
Aroclor-1221	ND		ug/Kg	50	23	1	311319	04/07/23	04/09/23	MES
Aroclor-1232	ND		ug/Kg	50	18	1	311319	04/07/23	04/09/23	MES
Aroclor-1242	ND		ug/Kg	50	18	1	311319	04/07/23	04/09/23	MES
Aroclor-1248	ND		ug/Kg	50	21	1	311319	04/07/23	04/09/23	MES
Aroclor-1254	ND		ug/Kg	50	6.5	1	311319	04/07/23	04/09/23	MES
Aroclor-1260	ND		ug/Kg	50	24	1	311319	04/07/23	04/09/23	MES
Aroclor-1262	ND		ug/Kg	50	16	1	311319	04/07/23	04/09/23	MES
Aroclor-1268	ND		ug/Kg	50	13	1	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	95%		%REC	19-121		1	311319	04/07/23	04/09/23	MES
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.7	1.2	0.93	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.7	3.0	0.93	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.7	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.7	1.4	0.93	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.7	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.7	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	93	19	0.93	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.7	1.0	0.93	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.7	1.7	0.93	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
MTBE	ND		ug/Kg	4.7	1.0	0.93	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	93	19	0.93	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.7	1.1	0.93	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.7	1.0	0.93	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.7	1.1	0.93	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.7	1.7	0.93	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.7	1.1	0.93	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.7	1.7	0.93	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	9.3	1.3	0.93	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-040 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dichlorobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.7	1.3	0.93	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.7	0.9	0.93	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.7		0.93	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	108%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
Toluene-d8	98%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	96%		%REC	70-145		0.93	311376	04/08/23	04/08/23	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3546										
1-Methylnaphthalene	ND		ug/Kg	9.9	3.0	0.99	311426	04/10/23	04/10/23	TJW
2-Methylnaphthalene	ND		ug/Kg	9.9	2.9	0.99	311426	04/10/23	04/10/23	TJW
Naphthalene	ND		ug/Kg	9.9	3.1	0.99	311426	04/10/23	04/10/23	TJW
Acenaphthylene	ND		ug/Kg	9.9	2.5	0.99	311426	04/10/23	04/10/23	TJW
Acenaphthene	ND		ug/Kg	9.9	2.7	0.99	311426	04/10/23	04/10/23	TJW
Fluorene	ND		ug/Kg	9.9	2.6	0.99	311426	04/10/23	04/10/23	TJW
Phenanthrene	ND		ug/Kg	9.9	2.3	0.99	311426	04/10/23	04/10/23	TJW
Anthracene	ND		ug/Kg	9.9	1.8	0.99	311426	04/10/23	04/10/23	TJW
Fluoranthene	ND		ug/Kg	9.9	0.99	0.99	311426	04/10/23	04/10/23	TJW
Pyrene	ND		ug/Kg	9.9	1.2	0.99	311426	04/10/23	04/10/23	TJW
Benzo(a)anthracene	ND		ug/Kg	9.9	0.94	0.99	311426	04/10/23	04/10/23	TJW
Chrysene	ND		ug/Kg	9.9	1.2	0.99	311426	04/10/23	04/10/23	TJW
Benzo(b)fluoranthene	ND		ug/Kg	9.9	1.2	0.99	311426	04/10/23	04/10/23	TJW
Benzo(k)fluoranthene	ND		ug/Kg	9.9	1.9	0.99	311426	04/10/23	04/10/23	TJW
Benzo(a)pyrene	ND		ug/Kg	9.9	2.0	0.99	311426	04/10/23	04/10/23	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9	1.1	0.99	311426	04/10/23	04/10/23	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	9.9	1.3	0.99	311426	04/10/23	04/10/23	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	9.9	1.4	0.99	311426	04/10/23	04/10/23	TJW
Surrogates				**Limits**						
Nitrobenzene-d5	63%		%REC	27-125		0.99	311426	04/10/23	04/10/23	TJW
2-Fluorobiphenyl	58%		%REC	30-120		0.99	311426	04/10/23	04/10/23	TJW
Terphenyl-d14	90%		%REC	33-155		0.99	311426	04/10/23	04/10/23	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-02-8.0	Lab ID: 482858-041	Collected: 04/05/23 13:50
	Matrix: Soil	

482858-041 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.2**		mg/Kg	0.99	0.27	0.99	311301	04/07/23	04/07/23	JCP
Lead	**5.7**		mg/Kg	0.50	0.068	0.99	311301	04/07/23	04/07/23	JCP
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.8	0.46	0.93	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	75%		%REC	60-140		0.93	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	ND		mg/Kg	10	1.1	1	312026	04/18/23	04/19/23	BJG
ORO C28-C44	ND		mg/Kg	20	1.1	1	312026	04/18/23	04/19/23	BJG
Surrogates				**Limits**						
n-Triacontane	79%		%REC	70-130		1	312026	04/18/23	04/19/23	BJG
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311319	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311319	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311319	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	5.0	1.3	1	311319	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311319	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311319	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311319	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311319	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311319	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.0	1	311319	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311319	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311319	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	74%		%REC	23-120		1	311319	04/07/23	04/09/23	MES
Decachlorobiphenyl	73%		%REC	24-120		1	311319	04/07/23	04/09/23	MES
Method: EPA 8260B Prep Method: EPA 5035										

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-041 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
3-Chloropropene	ND		ug/Kg	5.3	1.4	1.1	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.3	3.4	1.1	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	5.3	1.3	1.1	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	5.3	1.5	1.1	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	5.3	1.2	1.1	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.3	1.2	1.1	311376	04/08/23	04/08/23	LYZ
Acetone	**31**	B,J	ug/Kg	110	21	1.1	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	5.3	1.9	1.1	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	110	21	1.1	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.3	1.3	1.1	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Trichloroethene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	5.3	1.2	1.1	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.3	1.9	1.1	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.3	1.2	1.1	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	5.3	2.0	1.1	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	11	1.4	1.1	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-041 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Isopropylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.3	1.5	1.1	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.3	1.1	1.1	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	5.3		1.1	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	98%		%REC	70-145		1.1	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	108%		%REC	70-145		1.1	311376	04/08/23	04/08/23	LYZ
Toluene-d8	98%		%REC	70-145		1.1	311376	04/08/23	04/08/23	LYZ
Bromofluorobenzene	96%		%REC	70-145		1.1	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-03-6.0	Lab ID: 482858-043	Collected: 04/05/23 14:15
	Matrix: Soil	

482858-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	**0.96**	J	mg/Kg	2.9	0.50	0.96	311307	04/07/23	04/08/23	KLN
Barium	**140**		mg/Kg	0.96	0.078	0.96	311307	04/07/23	04/08/23	KLN
Beryllium	ND		mg/Kg	0.48	0.33	0.96	311307	04/07/23	04/08/23	KLN
Cadmium	ND		mg/Kg	0.48	0.064	0.96	311307	04/07/23	04/08/23	KLN
Chromium	**33**		mg/Kg	0.96	0.071	0.96	311307	04/07/23	04/08/23	KLN
Cobalt	**12**		mg/Kg	0.48	0.13	0.96	311307	04/07/23	04/08/23	KLN
Copper	**24**		mg/Kg	0.96	0.25	0.96	311307	04/07/23	04/08/23	KLN
Molybdenum	**0.54**	J	mg/Kg	0.96	0.35	0.96	311307	04/07/23	04/08/23	KLN
Nickel	**23**		mg/Kg	0.96	0.26	0.96	311307	04/07/23	04/08/23	KLN
Selenium	**0.52**	J	mg/Kg	2.9	0.33	0.96	311307	04/07/23	04/08/23	KLN
Silver	ND		mg/Kg	0.48	0.12	0.96	311307	04/07/23	04/08/23	KLN
Thallium	ND		mg/Kg	2.9	0.55	0.96	311307	04/07/23	04/08/23	KLN
Vanadium	**53**		mg/Kg	0.96	0.30	0.96	311307	04/07/23	04/08/23	KLN
Zinc	**52**		mg/Kg	4.8	0.26	0.96	311307	04/07/23	04/08/23	KLN
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.95	0.26	0.95	311301	04/07/23	04/07/23	JCP
Lead	**5.7**		mg/Kg	0.48	0.065	0.95	311301	04/07/23	04/07/23	JCP
Thallium	**0.18**	J	mg/Kg	0.95	0.13	0.95	311301	04/07/23	04/07/23	JCP
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.049**	J	mg/Kg	0.16	0.0057	1.1	311296	04/07/23	04/07/23	KAM
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.7	0.46	0.91	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	83%		%REC	60-140		0.91	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	**1.7**	J	mg/Kg	10	1.1	1	312026	04/18/23	04/19/23	BJG
ORO C28-C44	**1.9**	B,J	mg/Kg	20	1.1	1	312026	04/18/23	04/19/23	BJG
Surrogates				**Limits**						
n-Triacontane	97%		%REC	70-130		1	312026	04/18/23	04/19/23	BJG
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	5.0	1.2	1	311346	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	5.0	1.7	1	311346	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	5.0	1.0	1	311346	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	5.0	1.4	1	311346	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	5.0	1.5	1	311346	04/07/23	04/09/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Aldrin	ND		ug/Kg	5.0	1.3	1	311346	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	1	311346	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	5.0	1.4	1	311346	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	5.0	1.4	1	311346	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	5.0	1.4	1	311346	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	5.0	1.6	1	311346	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	5.0	1.6	1	311346	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	1	311346	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	5.0	1.1	1	311346	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	5.0	1.7	1	311346	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	5.0	1.4	1	311346	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	5.0	1.4	1	311346	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	10	5.1	1	311346	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	100	15	1	311346	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	50	11	1	311346	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	73%		%REC	23-120		1	311346	04/07/23	04/09/23	MES
Decachlorobiphenyl	80%		%REC	24-120		1	311346	04/07/23	04/09/23	MES
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.3	1.1	0.87	311376	04/08/23	04/08/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.3	2.8	0.87	311376	04/08/23	04/08/23	LYZ
Freon 12	ND		ug/Kg	4.3	1.0	0.87	311376	04/08/23	04/08/23	LYZ
Chloromethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Bromomethane	ND		ug/Kg	4.3	1.3	0.87	311376	04/08/23	04/08/23	LYZ
Chloroethane	ND		ug/Kg	4.3	1.0	0.87	311376	04/08/23	04/08/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.3	1.0	0.87	311376	04/08/23	04/08/23	LYZ
Acetone	ND		ug/Kg	87	17	0.87	311376	04/08/23	04/08/23	LYZ
Freon 113	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Methylene Chloride	ND		ug/Kg	4.3	1.6	0.87	311376	04/08/23	04/08/23	LYZ
MTBE	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
2-Butanone	ND		ug/Kg	87	17	0.87	311376	04/08/23	04/08/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.3	1.0	0.87	311376	04/08/23	04/08/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Chloroform	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Bromochloromethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Benzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Trichloroethene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Dibromomethane	ND		ug/Kg	4.3	1.0	0.87	311376	04/08/23	04/08/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.3	1.5	0.87	311376	04/08/23	04/08/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.3	1.0	0.87	311376	04/08/23	04/08/23	LYZ
Toluene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.3	1.6	0.87	311376	04/08/23	04/08/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Chlorobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Ethylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.7	1.2	0.87	311376	04/08/23	04/08/23	LYZ
o-Xylene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Styrene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Bromoform	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Isopropylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Propylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Bromobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.3	1.2	0.87	311376	04/08/23	04/08/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Naphthalene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.3	0.9	0.87	311376	04/08/23	04/08/23	LYZ
Xylene (total)	ND		ug/Kg	4.3		0.87	311376	04/08/23	04/08/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		0.87	311376	04/08/23	04/08/23	LYZ
1,2-Dichloroethane-d4	111%		%REC	70-145		0.87	311376	04/08/23	04/08/23	LYZ
Toluene-d8	98%		%REC	70-145		0.87	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-043 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromofluorobenzene	96%		%REC	70-145		0.87	311376	04/08/23	04/08/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: SB-03-8.0	Lab ID: 482858-044	Collected: 04/05/23 14:20
	Matrix: Soil	

482858-044 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.8**		mg/Kg	0.98	0.27	0.98	311301	04/07/23	04/07/23	JCP
Lead	**6.4**		mg/Kg	0.49	0.067	0.98	311301	04/07/23	04/07/23	JCP
Method: EPA 8015B Prep Method: EPA 5035										
TPH Gasoline	ND		mg/Kg	2.5	0.42	0.84	311204	04/06/23	04/06/23	LYZ
Surrogates				**Limits**						
Bromofluorobenzene (FID)	86%		%REC	60-140		0.84	311204	04/06/23	04/06/23	LYZ
Method: EPA 8015M Prep Method: EPA 3580M										
DRO C10-C28	ND		mg/Kg	9.9	1.1	0.99	312026	04/18/23	04/19/23	BJG
ORO C28-C44	ND		mg/Kg	20	1.1	0.99	312026	04/18/23	04/19/23	BJG
Surrogates				**Limits**						
n-Triacontane	96%		%REC	70-130		0.99	312026	04/18/23	04/19/23	BJG
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	4.9	1.2	0.99	311346	04/07/23	04/09/23	MES
beta-BHC	ND		ug/Kg	4.9	1.7	0.99	311346	04/07/23	04/09/23	MES
gamma-BHC	ND		ug/Kg	4.9	1.0	0.99	311346	04/07/23	04/09/23	MES
delta-BHC	ND		ug/Kg	4.9	1.3	0.99	311346	04/07/23	04/09/23	MES
Heptachlor	ND		ug/Kg	4.9	1.5	0.99	311346	04/07/23	04/09/23	MES
Aldrin	ND		ug/Kg	4.9	1.3	0.99	311346	04/07/23	04/09/23	MES
Heptachlor epoxide	ND		ug/Kg	4.9	1.8	0.99	311346	04/07/23	04/09/23	MES
Endosulfan I	ND		ug/Kg	4.9	1.4	0.99	311346	04/07/23	04/09/23	MES
Dieldrin	ND		ug/Kg	4.9	1.4	0.99	311346	04/07/23	04/09/23	MES
4,4'-DDE	ND		ug/Kg	4.9	1.4	0.99	311346	04/07/23	04/09/23	MES
Endrin	ND		ug/Kg	4.9	1.5	0.99	311346	04/07/23	04/09/23	MES
Endosulfan II	ND		ug/Kg	4.9	1.5	0.99	311346	04/07/23	04/09/23	MES
Endosulfan sulfate	ND		ug/Kg	4.9	1.6	0.99	311346	04/07/23	04/09/23	MES
4,4'-DDD	ND		ug/Kg	4.9	1.1	0.99	311346	04/07/23	04/09/23	MES
Endrin aldehyde	ND		ug/Kg	4.9	1.7	0.99	311346	04/07/23	04/09/23	MES
Endrin ketone	ND		ug/Kg	4.9	1.4	0.99	311346	04/07/23	04/09/23	MES
4,4'-DDT	ND		ug/Kg	4.9	1.4	0.99	311346	04/07/23	04/09/23	MES
Methoxychlor	ND		ug/Kg	9.9	5.0	0.99	311346	04/07/23	04/09/23	MES
Toxaphene	ND		ug/Kg	99	15	0.99	311346	04/07/23	04/09/23	MES
Chlordane (Technical)	ND		ug/Kg	49	11	0.99	311346	04/07/23	04/09/23	MES
Surrogates				**Limits**						
TCMX	73%		%REC	23-120		0.99	311346	04/07/23	04/09/23	MES
Decachlorobiphenyl	79%		%REC	24-120		0.99	311346	04/07/23	04/09/23	MES
Method: EPA 8260B Prep Method: EPA 5035										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-044 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
3-Chloropropene	ND		ug/Kg	4.2	1.1	0.85	311376	04/09/23	04/09/23	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.2	2.7	0.85	311376	04/09/23	04/09/23	LYZ
Freon 12	ND		ug/Kg	4.2	1.0	0.85	311376	04/09/23	04/09/23	LYZ
Chloromethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Vinyl Chloride	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Bromomethane	ND		ug/Kg	4.2	1.2	0.85	311376	04/09/23	04/09/23	LYZ
Chloroethane	ND		ug/Kg	4.2	1.0	0.85	311376	04/09/23	04/09/23	LYZ
Trichlorofluoromethane	ND		ug/Kg	4.2	1.0	0.85	311376	04/09/23	04/09/23	LYZ
Acetone	ND		ug/Kg	85	17	0.85	311376	04/09/23	04/09/23	LYZ
Freon 113	ND		ug/Kg	4.2	0.9	0.85	311376	04/09/23	04/09/23	LYZ
1,1-Dichloroethene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Methylene Chloride	ND		ug/Kg	4.2	1.6	0.85	311376	04/09/23	04/09/23	LYZ
MTBE	ND		ug/Kg	4.2	0.9	0.85	311376	04/09/23	04/09/23	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,1-Dichloroethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
2-Butanone	ND		ug/Kg	85	17	0.85	311376	04/09/23	04/09/23	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	4.2	1.0	0.85	311376	04/09/23	04/09/23	LYZ
2,2-Dichloropropane	ND		ug/Kg	4.2	0.9	0.85	311376	04/09/23	04/09/23	LYZ
Chloroform	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Bromochloromethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,1-Dichloropropene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Carbon Tetrachloride	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2-Dichloroethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Benzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Trichloroethene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2-Dichloropropane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Bromodichloromethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Dibromomethane	ND		ug/Kg	4.2	1.0	0.85	311376	04/09/23	04/09/23	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	4.2	1.5	0.85	311376	04/09/23	04/09/23	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	4.2	1.0	0.85	311376	04/09/23	04/09/23	LYZ
Toluene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,3-Dichloropropane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Tetrachloroethene	ND		ug/Kg	4.2	1.6	0.85	311376	04/09/23	04/09/23	LYZ
Dibromochloromethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2-Dibromoethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Chlorobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Ethylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
m,p-Xylenes	ND		ug/Kg	8.5	1.1	0.85	311376	04/09/23	04/09/23	LYZ
o-Xylene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Styrene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Bromoform	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-044 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Isopropylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Propylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Bromobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
2-Chlorotoluene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
4-Chlorotoluene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
tert-Butylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
sec-Butylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
para-Isopropyl Toluene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
n-Butylbenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.2	1.2	0.85	311376	04/09/23	04/09/23	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Hexachlorobutadiene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Naphthalene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	4.2	0.8	0.85	311376	04/09/23	04/09/23	LYZ
Xylene (total)	ND		ug/Kg	4.2		0.85	311376	04/09/23	04/09/23	LYZ
Surrogates				**Limits**						
Dibromofluoromethane	103%		%REC	70-145		0.85	311376	04/09/23	04/09/23	LYZ
1,2-Dichloroethane-d4	115%		%REC	70-145		0.85	311376	04/09/23	04/09/23	LYZ
Toluene-d8	98%		%REC	70-145		0.85	311376	04/09/23	04/09/23	LYZ
Bromofluorobenzene	96%		%REC	70-145		0.85	311376	04/09/23	04/09/23	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: TB-230405	Lab ID: 482858-046	Collected: 04/05/23 14:45
	Matrix: Water	

482858-046 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Freon 12	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Chloromethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Chloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Acetone	ND		ug/L	100	17	1	311371	04/08/23	04/08/23	EJB
Freon 113	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Methylene Chloride	**0.6**	J	ug/L	5.0	0.5	1	311371	04/08/23	04/08/23	EJB
MTBE	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
2-Butanone	ND		ug/L	100	0.6	1	311371	04/08/23	04/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Chloroform	ND		ug/L	5.0	0.3	1	311371	04/08/23	04/08/23	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Benzene	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Bromodichloromethane	ND		ug/L	5.0	0.05	1	311371	04/08/23	04/08/23	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.3	1	311371	04/08/23	04/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	311371	04/08/23	04/08/23	EJB
Toluene	**0.2**	J	ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Dibromochloromethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 482858

482858-046 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
m,p-Xylenes	ND		ug/L	10	0.2	1	311371	04/08/23	04/08/23	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Styrene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Bromoform	**3.2**	J	ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Bromobenzene	ND		ug/L	5.0	0.09	1	311371	04/08/23	04/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	311371	04/08/23	04/08/23	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
n-Butylbenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	311371	04/08/23	04/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Xylene (total)	ND		ug/L	5.0		1	311371	04/08/23	04/08/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
1,2-Dichloroethane-d4	111%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
Toluene-d8	99%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
Bromofluorobenzene	103%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

Sample ID: EB-230405	Lab ID: 482858-047	Collected: 04/05/23 14:50
	Matrix: Water	

482858-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A										
Antimony	ND		mg/L	0.030	0.021	1	311343	04/07/23	04/07/23	THP
Arsenic	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Barium	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Beryllium	ND		mg/L	0.0050	0.0013	1	311343	04/07/23	04/07/23	THP
Cadmium	ND		mg/L	0.0050	0.0010	1	311343	04/07/23	04/07/23	THP
Chromium	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Cobalt	ND		mg/L	0.0050	0.0010	1	311343	04/07/23	04/07/23	THP
Copper	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Lead	**0.0052**	B,J	mg/L	0.010	0.0024	1	311343	04/07/23	04/07/23	THP
Molybdenum	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Nickel	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Selenium	ND		mg/L	0.030	0.0060	1	311343	04/07/23	04/07/23	THP
Silver	ND		mg/L	0.0050	0.0034	1	311343	04/07/23	04/07/23	THP
Thallium	ND		mg/L	0.030	0.010	1	311343	04/07/23	04/07/23	THP
Vanadium	ND		mg/L	0.010	0.0020	1	311343	04/07/23	04/07/23	THP
Zinc	ND		mg/L	0.050	0.010	1	311343	04/07/23	04/07/23	THP
Method: EPA 7470A Prep Method: METHOD										
Mercury	ND		ug/L	0.40	0.033	1	311291	04/07/23	04/07/23	KAM
Method: EPA 8015B Prep Method: EPA 5030B										
TPH Gasoline	ND		ug/L	50	26	1	311206	04/06/23	04/06/23	SXR
Surrogates				**Limits**						
Bromofluorobenzene (FID)	90%		%REC	60-140		1	311206	04/06/23	04/06/23	SXR
Method: EPA 8081A Prep Method: EPA 3510C										
alpha-BHC	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
beta-BHC	ND		ug/L	0.05	0.008	0.94	311399	04/09/23	04/09/23	TRN
gamma-BHC	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
delta-BHC	ND		ug/L	0.05	0.007	0.94	311399	04/09/23	04/09/23	TRN
Heptachlor	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
Aldrin	ND		ug/L	0.05	0.02	0.94	311399	04/09/23	04/09/23	TRN
Heptachlor epoxide	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
Endosulfan I	ND		ug/L	0.05	0.01	0.94	311399	04/09/23	04/09/23	TRN
Dieldrin	ND		ug/L	0.09	0.01	0.94	311399	04/09/23	04/09/23	TRN
4,4'-DDE	ND		ug/L	0.09	0.01	0.94	311399	04/09/23	04/09/23	TRN
Endrin	ND		ug/L	0.09	0.01	0.94	311399	04/09/23	04/09/23	TRN
Endosulfan II	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
Endosulfan sulfate	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
4,4'-DDD	ND		ug/L	0.09	0.03	0.94	311399	04/09/23	04/09/23	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
Endrin ketone	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
4,4'-DDT	ND		ug/L	0.09	0.02	0.94	311399	04/09/23	04/09/23	TRN
Methoxychlor	ND		ug/L	0.09	0.03	0.94	311399	04/09/23	04/09/23	TRN
Toxaphene	ND		ug/L	1.9	0.3	0.94	311399	04/09/23	04/09/23	TRN
Chlordane (Technical)	ND		ug/L	0.9	0.3	0.94	311399	04/09/23	04/09/23	TRN
Surrogates				**Limits**						
TCMX	79%		%REC	14-120		0.94	311399	04/09/23	04/09/23	TRN
Decachlorobiphenyl	81%		%REC	20-120		0.94	311399	04/09/23	04/09/23	TRN
Method: EPA 8082 Prep Method: EPA 3510C										
Aroclor-1016	ND		ug/L	0.47	0.14	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1221	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1232	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1242	ND		ug/L	0.47	0.16	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1248	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1254	ND		ug/L	0.47	0.26	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1260	ND		ug/L	0.47	0.19	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1262	ND		ug/L	0.47	0.47	0.94	311399	04/09/23	04/09/23	TRN
Aroclor-1268	ND		ug/L	0.47	0.12	0.94	311399	04/09/23	04/09/23	TRN
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	101%		%REC	18-126		0.94	311399	04/09/23	04/09/23	TRN
Method: EPA 8260B Prep Method: EPA 5030B										
3-Chloropropene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Freon 12	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Chloromethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Vinyl Chloride	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Bromomethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Chloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Trichlorofluoromethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Acetone	ND		ug/L	100	17	1	311371	04/08/23	04/08/23	EJB
Freon 113	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1-Dichloroethene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Methylene Chloride	**0.5**	J	ug/L	5.0	0.5	1	311371	04/08/23	04/08/23	EJB
MTBE	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,1-Dichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
2-Butanone	ND		ug/L	100	0.6	1	311371	04/08/23	04/08/23	EJB
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
2,2-Dichloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Chloroform	ND		ug/L	5.0	0.3	1	311371	04/08/23	04/08/23	EJB
Bromochloromethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1-Dichloropropene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Carbon Tetrachloride	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Benzene	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
Trichloroethene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2-Dichloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Bromodichloromethane	ND		ug/L	5.0	0.05	1	311371	04/08/23	04/08/23	EJB
Dibromomethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.3	1	311371	04/08/23	04/08/23	EJB
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	1	311371	04/08/23	04/08/23	EJB
Toluene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,3-Dichloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Tetrachloroethene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Dibromochloromethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2-Dibromoethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Chlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Ethylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
m,p-Xylenes	ND		ug/L	10	0.2	1	311371	04/08/23	04/08/23	EJB
o-Xylene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Styrene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Bromoform	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
Isopropylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2,3-Trichloropropane	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
Propylbenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Bromobenzene	ND		ug/L	5.0	0.09	1	311371	04/08/23	04/08/23	EJB
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
2-Chlorotoluene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
4-Chlorotoluene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
tert-Butylbenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	1	311371	04/08/23	04/08/23	EJB
sec-Butylbenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
n-Butylbenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
1,2-Dichlorobenzene	ND		ug/L	5.0	0.08	1	311371	04/08/23	04/08/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
Hexachlorobutadiene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Naphthalene	ND		ug/L	5.0	0.1	1	311371	04/08/23	04/08/23	EJB
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	1	311371	04/08/23	04/08/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	1	311371	04/08/23	04/08/23	EJB
Xylene (total)	ND		ug/L	5.0		1	311371	04/08/23	04/08/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482858

482858-047 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**						
Dibromofluoromethane	109%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
1,2-Dichloroethane-d4	108%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
Toluene-d8	101%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
Bromofluorobenzene	103%		%REC	70-140		1	311371	04/08/23	04/08/23	EJB
Method: EPA 8270C-SIM Prep Method: EPA 3510C										
1-Methylnaphthalene	ND		ug/L	0.47	0.34	0.94	311404	04/09/23	04/10/23	VTN
2-Methylnaphthalene	ND		ug/L	0.47	0.35	0.94	311404	04/09/23	04/10/23	VTN
Naphthalene	ND		ug/L	0.47	0.35	0.94	311404	04/09/23	04/10/23	VTN
Acenaphthylene	ND		ug/L	0.47	0.33	0.94	311404	04/09/23	04/10/23	VTN
Acenaphthene	ND		ug/L	0.47	0.31	0.94	311404	04/09/23	04/10/23	VTN
Fluorene	ND		ug/L	0.47	0.33	0.94	311404	04/09/23	04/10/23	VTN
Phenanthrene	ND		ug/L	0.47	0.26	0.94	311404	04/09/23	04/10/23	VTN
Anthracene	ND		ug/L	0.47	0.25	0.94	311404	04/09/23	04/10/23	VTN
Fluoranthene	ND		ug/L	0.47	0.29	0.94	311404	04/09/23	04/10/23	VTN
Pyrene	ND		ug/L	0.47	0.30	0.94	311404	04/09/23	04/10/23	VTN
Benzo(a)anthracene	ND		ug/L	0.47	0.26	0.94	311404	04/09/23	04/10/23	VTN
Chrysene	ND		ug/L	0.47	0.29	0.94	311404	04/09/23	04/10/23	VTN
Benzo(b)fluoranthene	ND		ug/L	0.47	0.29	0.94	311404	04/09/23	04/10/23	VTN
Benzo(k)fluoranthene	ND		ug/L	0.47	0.31	0.94	311404	04/09/23	04/10/23	VTN
Benzo(a)pyrene	ND		ug/L	0.47	0.27	0.94	311404	04/09/23	04/10/23	VTN
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.47	0.27	0.94	311404	04/09/23	04/10/23	VTN
Dibenz(a,h)anthracene	ND		ug/L	0.47	0.26	0.94	311404	04/09/23	04/10/23	VTN
Benzo(g,h,i)perylene	ND		ug/L	0.47	0.27	0.94	311404	04/09/23	04/10/23	VTN
Surrogates				**Limits**						
Nitrobenzene-d5	68%		%REC	16-125		0.94	311404	04/09/23	04/10/23	VTN
2-Fluorobiphenyl	65%		%REC	17-120		0.94	311404	04/09/23	04/10/23	VTN
Terphenyl-d14	78%		%REC	39-123		0.94	311404	04/09/23	04/10/23	VTN

B Contamination found in associated Method Blank
C Presence confirmed, but RPD between columns exceeds 40%
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1057142**	**Batch: 311343**
Matrix: Water	**Method: EPA 6010B**	**Prep Method: EPA 3010A**

QC1057142 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/L	0.030	0.021	04/07/23	04/07/23
Arsenic	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Barium	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Beryllium	ND		mg/L	0.0050	0.0013	04/07/23	04/07/23
Cadmium	ND		mg/L	0.0050	0.0010	04/07/23	04/07/23
Chromium	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Cobalt	ND		mg/L	0.0050	0.0010	04/07/23	04/07/23
Copper	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Lead	0.0041	J	mg/L	0.010	0.0024	04/07/23	04/07/23
Molybdenum	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Nickel	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Selenium	ND		mg/L	0.030	0.0060	04/07/23	04/07/23
Silver	ND		mg/L	0.0050	0.0034	04/07/23	04/07/23
Thallium	ND		mg/L	0.030	0.010	04/07/23	04/07/23
Vanadium	ND		mg/L	0.010	0.0020	04/07/23	04/07/23
Zinc	ND		mg/L	0.050	0.010	04/07/23	04/07/23

Type: Lab Control Sample	**Lab ID: QC1057143**	**Batch: 311343**
Matrix: Water	**Method: EPA 6010B**	**Prep Method: EPA 3010A**

QC1057143 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	0.3899	0.4000	mg/L	97%		80-120
Arsenic	0.3676	0.4000	mg/L	92%		80-120
Barium	0.3973	0.4000	mg/L	99%		80-120
Beryllium	0.3913	0.4000	mg/L	98%		80-120
Cadmium	0.4020	0.4000	mg/L	100%		80-120
Chromium	0.4025	0.4000	mg/L	101%		80-120
Cobalt	0.3986	0.4000	mg/L	100%		80-120
Copper	0.3657	0.4000	mg/L	91%		80-120
Lead	0.3924	0.4000	mg/L	98%		80-120
Molybdenum	0.3945	0.4000	mg/L	99%		80-120
Nickel	0.3890	0.4000	mg/L	97%		80-120
Selenium	0.3586	0.4000	mg/L	90%		80-120
Silver	0.1828	0.2000	mg/L	91%		80-120
Thallium	0.3841	0.4000	mg/L	96%		80-120
Vanadium	0.3999	0.4000	mg/L	100%		80-120
Zinc	0.4033	0.4000	mg/L	101%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1057144	Batch:	311343
Matrix (Source ID):	Water (482854-008)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1057144 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	0.3992	ND	0.4000	mg/L	100%		75-125	1
Arsenic	0.3790	ND	0.4000	mg/L	95%		75-125	1
Barium	0.4113	ND	0.4000	mg/L	103%		75-125	1
Beryllium	0.4026	ND	0.4000	mg/L	101%		75-125	1
Cadmium	0.4134	ND	0.4000	mg/L	103%		75-125	1
Chromium	0.4196	0.003160	0.4000	mg/L	104%		75-125	1
Cobalt	0.4106	ND	0.4000	mg/L	103%		75-125	1
Copper	0.3791	ND	0.4000	mg/L	95%		75-125	1
Lead	0.4040	0.003567	0.4000	mg/L	100%		75-125	1
Molybdenum	0.4076	ND	0.4000	mg/L	102%		75-125	1
Nickel	0.4014	ND	0.4000	mg/L	100%		75-125	1
Selenium	0.3701	ND	0.4000	mg/L	93%		75-125	1
Silver	0.1906	ND	0.2000	mg/L	95%		75-125	1
Thallium	0.3938	ND	0.4000	mg/L	98%		75-125	1
Vanadium	0.4127	ND	0.4000	mg/L	103%		75-125	1
Zinc	0.4167	ND	0.4000	mg/L	104%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1057145	Batch:	311343
Matrix (Source ID):	Water (482854-008)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1057145 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	0.3985	ND	0.4000	mg/L	100%		75-125	0	20	1
Arsenic	0.3795	ND	0.4000	mg/L	95%		75-125	0	20	1
Barium	0.4070	ND	0.4000	mg/L	102%		75-125	1	20	1
Beryllium	0.4022	ND	0.4000	mg/L	101%		75-125	0	20	1
Cadmium	0.4130	ND	0.4000	mg/L	103%		75-125	0	20	1
Chromium	0.4179	0.003160	0.4000	mg/L	104%		75-125	0	20	1
Cobalt	0.4092	ND	0.4000	mg/L	102%		75-125	0	20	1
Copper	0.3766	ND	0.4000	mg/L	94%		75-125	1	20	1
Lead	0.4020	0.003567	0.4000	mg/L	100%		75-125	0	20	1
Molybdenum	0.4068	ND	0.4000	mg/L	102%		75-125	0	20	1
Nickel	0.4001	ND	0.4000	mg/L	100%		75-125	0	20	1
Selenium	0.3710	ND	0.4000	mg/L	93%		75-125	0	20	1
Silver	0.1881	ND	0.2000	mg/L	94%		75-125	1	20	1
Thallium	0.3902	ND	0.4000	mg/L	98%		75-125	1	20	1
Vanadium	0.4112	ND	0.4000	mg/L	103%		75-125	0	20	1
Zinc	0.4152	ND	0.4000	mg/L	104%		75-125	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1057146	Batch:	311343
Matrix (Source ID):	Water (482917-004)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1057146 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	0.3903	ND	0.4000	mg/L	98%		75-125	1
Arsenic	0.3738	ND	0.4000	mg/L	93%		75-125	1
Barium	0.4342	0.03067	0.4000	mg/L	101%		75-125	1
Beryllium	0.3895	ND	0.4000	mg/L	97%		75-125	1
Cadmium	0.3967	ND	0.4000	mg/L	99%		75-125	1
Chromium	0.4001	ND	0.4000	mg/L	100%		75-125	1
Cobalt	0.3982	ND	0.4000	mg/L	100%		75-125	1
Copper	0.4788	0.09934	0.4000	mg/L	95%		75-125	1
Lead	0.3942	0.008474	0.4000	mg/L	96%		75-125	1
Molybdenum	0.3976	0.004857	0.4000	mg/L	98%		75-125	1
Nickel	0.4002	0.01030	0.4000	mg/L	97%		75-125	1
Selenium	0.3566	ND	0.4000	mg/L	89%		75-125	1
Silver	0.1867	ND	0.2000	mg/L	93%		75-125	1
Thallium	0.3803	ND	0.4000	mg/L	95%		75-125	1
Vanadium	0.4030	0.004841	0.4000	mg/L	100%		75-125	1
Zinc	0.5023	0.1077	0.4000	mg/L	99%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1057147	Batch:	311343
Matrix (Source ID):	Water (482917-004)	Method:	EPA 6010B	Prep Method:	EPA 3010A

QC1057147 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	0.3993	ND	0.4000	mg/L	100%		75-125	2	20	1
Arsenic	0.3784	ND	0.4000	mg/L	95%		75-125	1	20	1
Barium	0.4310	0.03067	0.4000	mg/L	100%		75-125	1	20	1
Beryllium	0.3956	ND	0.4000	mg/L	99%		75-125	2	20	1
Cadmium	0.4048	ND	0.4000	mg/L	101%		75-125	2	20	1
Chromium	0.4062	ND	0.4000	mg/L	102%		75-125	2	20	1
Cobalt	0.4035	ND	0.4000	mg/L	101%		75-125	1	20	1
Copper	0.4865	0.09934	0.4000	mg/L	97%		75-125	2	20	1
Lead	0.3983	0.008474	0.4000	mg/L	97%		75-125	1	20	1
Molybdenum	0.4036	0.004857	0.4000	mg/L	100%		75-125	1	20	1
Nickel	0.3962	0.01030	0.4000	mg/L	96%		75-125	1	20	1
Selenium	0.3644	ND	0.4000	mg/L	91%		75-125	2	20	1
Silver	0.1868	ND	0.2000	mg/L	93%		75-125	0	20	1
Thallium	0.3812	ND	0.4000	mg/L	95%		75-125	0	20	1
Vanadium	0.4089	0.004841	0.4000	mg/L	101%		75-125	1	20	1
Zinc	0.5123	0.1077	0.4000	mg/L	101%		75-125	2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1059935	Batch: 312183
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1059935 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.015	0.0036	04/20/23	04/21/23

Type: Lab Control Sample	Lab ID: QC1059936	Batch: 312183
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1059936 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	1.862	2.000	mg/L	93%		80-120

Type: Matrix Spike	Lab ID: QC1060013	Batch: 312183
Matrix (Source ID): TCLP Leachate (482542-024)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1060013 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	1.858	ND	2.000	mg/L	93%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1060014	Batch: 312183
Matrix (Source ID): TCLP Leachate (482542-024)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1060014 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	1.892	ND	2.000	mg/L	95%		75-125	2	20	1

Type: Blank	Lab ID: QC1059160	Batch: 311941
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1059160 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.15	0.036	04/20/23	04/20/23

Type: Lab Control Sample	Lab ID: QC1059161	Batch: 311941
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1059161 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	4.394	4.000	mg/L	110%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	**Lab ID:** QC1059162	**Batch:** 311941
Matrix: WET Leachate	**Method:** EPA 6010B	**Prep Method:** METHOD

QC1059162 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Lead	4.460	4.000	mg/L	111%		80-120	1	20

Type: Blank	**Lab ID:** QC1057000	**Batch:** 311307
Matrix: Soil	**Method:** EPA 6010B	**Prep Method:** EPA 3050B

QC1057000 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	0.52	04/07/23	04/08/23
Barium	ND		mg/Kg	1.0	0.081	04/07/23	04/08/23
Beryllium	ND		mg/Kg	0.50	0.34	04/07/23	04/08/23
Cadmium	ND		mg/Kg	0.50	0.067	04/07/23	04/08/23
Chromium	0.097	J	mg/Kg	1.0	0.095	04/07/23	04/08/23
Cobalt	ND		mg/Kg	0.50	0.14	04/07/23	04/08/23
Copper	ND		mg/Kg	1.0	0.26	04/07/23	04/08/23
Molybdenum	ND		mg/Kg	1.0	0.37	04/07/23	04/08/23
Nickel	ND		mg/Kg	1.0	0.27	04/07/23	04/08/23
Selenium	ND		mg/Kg	3.0	0.34	04/07/23	04/08/23
Silver	ND		mg/Kg	0.50	0.12	04/07/23	04/08/23
Thallium	ND		mg/Kg	3.0	0.57	04/07/23	04/08/23
Vanadium	ND		mg/Kg	1.0	0.32	04/07/23	04/08/23
Zinc	3.3	J	mg/Kg	5.0	0.28	04/07/23	04/08/23

Type: Lab Control Sample	**Lab ID:** QC1057001	**Batch:** 311307
Matrix: Soil	**Method:** EPA 6010B	**Prep Method:** EPA 3050B

QC1057001 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	99.79	100.0	mg/Kg	100%		80-120
Barium	104.7	100.0	mg/Kg	105%		80-120
Beryllium	101.9	100.0	mg/Kg	102%		80-120
Cadmium	98.60	100.0	mg/Kg	99%		80-120
Chromium	103.6	100.0	mg/Kg	104%		80-120
Cobalt	103.3	100.0	mg/Kg	103%		80-120
Copper	108.2	100.0	mg/Kg	108%		80-120
Molybdenum	97.49	100.0	mg/Kg	97%		80-120
Nickel	105.2	100.0	mg/Kg	105%		80-120
Selenium	86.95	100.0	mg/Kg	87%		80-120
Silver	48.09	50.00	mg/Kg	96%		80-120
Thallium	105.7	100.0	mg/Kg	106%		80-120
Vanadium	96.91	100.0	mg/Kg	97%		80-120
Zinc	89.26	100.0	mg/Kg	89%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1057002	Batch:	311307
Matrix (Source ID):	Soil (482850-004)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1057002 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	44.27	0.6271	97.09	mg/Kg	45%	*	75-125	0.97
Barium	146.5	46.83	97.09	mg/Kg	103%		75-125	0.97
Beryllium	96.05	ND	97.09	mg/Kg	99%		75-125	0.97
Cadmium	94.83	ND	97.09	mg/Kg	98%		75-125	0.97
Chromium	124.6	24.88	97.09	mg/Kg	103%		75-125	0.97
Cobalt	99.29	5.857	97.09	mg/Kg	96%		75-125	0.97
Copper	121.4	12.60	97.09	mg/Kg	112%		75-125	0.97
Molybdenum	90.95	0.8883	97.09	mg/Kg	93%		75-125	0.97
Nickel	103.5	8.296	97.09	mg/Kg	98%		75-125	0.97
Selenium	83.60	ND	97.09	mg/Kg	86%		75-125	0.97
Silver	46.17	ND	48.54	mg/Kg	95%		75-125	0.97
Thallium	94.61	ND	97.09	mg/Kg	97%		75-125	0.97
Vanadium	130.8	38.20	97.09	mg/Kg	95%		75-125	0.97
Zinc	116.8	39.13	97.09	mg/Kg	80%		75-125	0.97

Type:	Matrix Spike Duplicate	Lab ID:	QC1057003	Batch:	311307
Matrix (Source ID):	Soil (482850-004)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1057003 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	42.17	0.6271	96.15	mg/Kg	43%	*	75-125	4	41	0.96
Barium	147.7	46.83	96.15	mg/Kg	105%		75-125	1	20	0.96
Beryllium	95.36	ND	96.15	mg/Kg	99%		75-125	0	20	0.96
Cadmium	93.03	ND	96.15	mg/Kg	97%		75-125	1	20	0.96
Chromium	118.1	24.88	96.15	mg/Kg	97%		75-125	5	20	0.96
Cobalt	96.92	5.857	96.15	mg/Kg	95%		75-125	2	20	0.96
Copper	119.7	12.60	96.15	mg/Kg	111%		75-125	1	20	0.96
Molybdenum	88.74	0.8883	96.15	mg/Kg	91%		75-125	2	20	0.96
Nickel	100.1	8.296	96.15	mg/Kg	95%		75-125	2	20	0.96
Selenium	80.42	ND	96.15	mg/Kg	84%		75-125	3	20	0.96
Silver	45.89	ND	48.08	mg/Kg	95%		75-125	0	20	0.96
Thallium	91.82	ND	96.15	mg/Kg	95%		75-125	2	20	0.96
Vanadium	131.9	38.20	96.15	mg/Kg	97%		75-125	2	20	0.96
Zinc	116.7	39.13	96.15	mg/Kg	81%		75-125	1	20	0.96

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1056837	Batch: 311260
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056837 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.28	04/06/23	04/07/23
Lead	0.11	J	mg/Kg	0.50	0.068	04/06/23	04/07/23
Thallium	ND		mg/Kg	1.0	0.14	04/06/23	04/07/23

Type: Lab Control Sample	Lab ID: QC1056838	Batch: 311260
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056838 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	108.5	100.0	mg/Kg	109%		80-120
Lead	98.20	100.0	mg/Kg	98%		80-120
Thallium	96.87	100.0	mg/Kg	97%		80-120

Type: Matrix Spike	Lab ID: QC1056839	Batch: 311260
Matrix (Source ID): Soil (482862-001)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056839 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	110.1	8.611	97.09	mg/Kg	105%		75-125	0.97
Lead	104.9	14.19	97.09	mg/Kg	93%		75-125	0.97
Thallium	93.57	0.2299	97.09	mg/Kg	96%		75-125	0.97

Type: Matrix Spike Duplicate	Lab ID: QC1056840	Batch: 311260
Matrix (Source ID): Soil (482862-001)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056840 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	105.7	8.611	96.15	mg/Kg	101%		75-125	3	20	0.96
Lead	96.86	14.19	96.15	mg/Kg	86%		75-125	7	20	0.96
Thallium	93.19	0.2299	96.15	mg/Kg	97%		75-125	1	20	0.96

Type: Blank	Lab ID: QC1056986	Batch: 311301
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056986 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	0.98	0.27	04/07/23	04/07/23
Lead	0.15	J	mg/Kg	0.49	0.067	04/07/23	04/07/23
Thallium	ND		mg/Kg	0.98	0.14	04/07/23	04/07/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1056987	Batch: 311301
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1056987 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	53.19	49.02	mg/Kg	108%		80-120
Lead	51.78	49.02	mg/Kg	106%		80-120
Thallium	50.53	49.02	mg/Kg	103%		80-120

Type: Matrix Spike	Lab ID: QC1056988	Batch: 311301
Matrix (Source ID): Soil (482858-021)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056988 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	55.14	4.718	48.54	mg/Kg	104%		75-125	0.97
Lead	53.39	5.751	48.54	mg/Kg	98%		75-125	0.97
Thallium	47.67	0.2469	48.54	mg/Kg	98%		75-125	0.97

Type: Matrix Spike Duplicate	Lab ID: QC1056989	Batch: 311301
Matrix (Source ID): Soil (482858-021)	Method: EPA 6020	Prep Method: EPA 3050B

QC1056989 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	55.03	4.718	48.08	mg/Kg	105%		75-125	1	20	0.96
Lead	53.14	5.751	48.08	mg/Kg	99%		75-125	0	20	0.96
Thallium	47.49	0.2469	48.08	mg/Kg	98%		75-125	1	20	0.96

Type: Blank	Lab ID: QC1056947	Batch: 311291
Matrix: Water	Method: EPA 7470A	Prep Method: METHOD

QC1056947 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.40	0.033	04/07/23	04/07/23

Type: Lab Control Sample	Lab ID: QC1056948	Batch: 311291
Matrix: Water	Method: EPA 7470A	Prep Method: METHOD

QC1056948 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.622	5.000	ug/L	92%		80-120

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1056949**	**Batch:**	**311291**
Matrix (Source ID):	**Water (482854-007)**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1056949 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.610	ND	5.000	ug/L	92%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056950**	**Batch:**	**311291**
Matrix (Source ID):	**Water (482854-007)**	**Method:**	**EPA 7470A**	**Prep Method:**	**METHOD**

QC1056950 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.626	ND	5.000	ug/L	93%		75-125	0	20	1

Type:	**Blank**	**Lab ID:**	**QC1056967**	**Batch:**	**311296**
Matrix:	**Soil**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1056967 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.0050	04/07/23	04/07/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1056968**	**Batch:**	**311296**
Matrix:	**Soil**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1056968 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8070	0.8333	mg/Kg	97%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1056969**	**Batch:**	**311296**
Matrix (Source ID):	**Soil (482863-001)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1056969 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9135	0.02127	0.9615	mg/Kg	93%		75-125	1.2

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1056970**	**Batch:**	**311296**
Matrix (Source ID):	**Soil (482863-001)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC1056970 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8615	0.02127	0.8621	mg/Kg	97%		75-125	5	20	1

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Batch QC

Type: Lab Control Sample	Lab ID: QC1056715	Batch: 311206
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC1056715 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	557.1	500.0	ug/L	111%		70-130
Surrogates						
Bromofluorobenzene (FID)	213.2	200.0	ug/L	107%		60-140

Type: Blank	Lab ID: QC1056716	Batch: 311206
Matrix: Water	Method: EPA 8015B	Prep Method: EPA 5030B

QC1056716 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
TPH Gasoline	ND		ug/L	50	26	04/06/23	04/06/23
Surrogates				**Limits**			
Bromofluorobenzene (FID)	95%		%REC	60-140		04/06/23	04/06/23

Type: Matrix Spike	Lab ID: QC1056734	Batch: 311206
Matrix (Source ID): Water (482733-003)	Method: EPA 8015B	Prep Method: EPA 5030B

QC1056734 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	9,086	3031	5000	ug/L	121%		70-130	10
Surrogates								
Bromofluorobenzene (FID)	2,123		2000	ug/L	106%		60-140	10

Type: Matrix Spike Duplicate	Lab ID: QC1056735	Batch: 311206
Matrix (Source ID): Water (482733-003)	Method: EPA 8015B	Prep Method: EPA 5030B

QC1056735 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	9,294	3031	5000	ug/L	125%		70-130	2	30	10
Surrogates										
Bromofluorobenzene (FID)	2,206		2000	ug/L	110%		60-140			10

Type: Lab Control Sample	Lab ID: QC1056706	Batch: 311204
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1056706 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	5.032	5.000	mg/Kg	101%		70-130
Surrogates						
Bromofluorobenzene (FID)	0.2255	0.2000	mg/Kg	113%		60-140

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1056707	Batch: 311204
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1056707 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
TPH Gasoline	5.024	5.000	mg/Kg	100%		70-130	0	20
Surrogates								
Bromofluorobenzene (FID)	0.2235	0.2000	mg/Kg	112%		60-140		

Type: Blank	Lab ID: QC1056708	Batch: 311204
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1056708 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	75	7.6	04/06/23	04/06/23
Surrogates				**Limits**			
Bromofluorobenzene (FID)	85%		%REC	60-140		04/06/23	04/06/23

Type: Blank	Lab ID: QC1056709	Batch: 311204
Matrix: Soil	Method: EPA 8015B	Prep Method: EPA 5035

QC1056709 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	3.0	0.50	04/06/23	04/06/23
Surrogates				**Limits**			
Bromofluorobenzene (FID)	71%		%REC	60-140		04/06/23	04/06/23

Type: Blank	Lab ID: QC1059420	Batch: 312026
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1059420 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
DRO C10-C28	ND		mg/Kg	9.9	1.1	04/18/23	04/18/23
ORO C28-C44	1.1	J	mg/Kg	20	1.1	04/18/23	04/18/23
Surrogates				**Limits**			
n-Triacontane	92%		%REC	70-130		04/18/23	04/18/23

Type: Lab Control Sample	Lab ID: QC1059421	Batch: 312026
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1059421 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	223.4	248.5	mg/Kg	90%		76-122
Surrogates						
n-Triacontane	9.179	9.940	mg/Kg	92%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1059422**	**Batch:**	**312026**
Matrix (Source ID):	**Soil (483380-005)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059422 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	219.1	ND	248.0	mg/Kg	88%		62-126	0.99
Surrogates								
n-Triacontane	9.155		9.921	mg/Kg	92%		70-130	0.99

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1059423**	**Batch:**	**312026**
Matrix (Source ID):	**Soil (483380-005)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059423 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	215.9	ND	248.0	mg/Kg	87%		62-126	1	35	0.99
Surrogates										
n-Triacontane	9.172		9.921	mg/Kg	92%		70-130			0.99

Type:	**Blank**	**Lab ID:**	**QC1059678**	**Batch:**	**312108**
Matrix:	**Soil**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059678 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
DRO C10-C28	ND		mg/Kg	9.9	1.1	04/19/23	04/20/23
ORO C28-C44	ND		mg/Kg	20	1.1	04/19/23	04/20/23
Surrogates				**Limits**			
n-Triacontane	97%		%REC	70-130		04/19/23	04/20/23

Type:	**Lab Control Sample**	**Lab ID:**	**QC1059679**	**Batch:**	**312108**
Matrix:	**Soil**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059679 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	213.1	248.3	mg/Kg	86%		76-122
Surrogates						
n-Triacontane	9.670	9.930	mg/Kg	97%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1059680**	**Batch:**	**312108**
Matrix (Source ID):	**Soil (483588-012)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059680 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	223.1	ND	248.0	mg/Kg	90%		62-126	0.99
Surrogates								
n-Triacontane	9.542		9.921	mg/Kg	96%		70-130	0.99

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1059681**	**Batch:**	**312108**
Matrix (Source ID):	**Soil (483588-012)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059681 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	214.3	ND	248.0	mg/Kg	86%		62-126	4	35	0.99
Surrogates										
n-Triacontane	9.167		9.921	mg/Kg	92%		70-130			0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1057152**	**Batch:**	**311346**
Matrix:	**Miscell.**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1057152 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	1.2	04/07/23	04/09/23
beta-BHC	ND		ug/Kg	5.0	1.7	04/07/23	04/09/23
gamma-BHC	ND		ug/Kg	5.0	1.0	04/07/23	04/09/23
delta-BHC	ND		ug/Kg	5.0	1.4	04/07/23	04/09/23
Heptachlor	ND		ug/Kg	5.0	1.5	04/07/23	04/09/23
Aldrin	ND		ug/Kg	5.0	1.3	04/07/23	04/09/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	04/07/23	04/09/23
Endosulfan I	ND		ug/Kg	5.0	1.4	04/07/23	04/09/23
Dieldrin	ND		ug/Kg	5.0	1.4	04/07/23	04/09/23
4,4'-DDE	ND		ug/Kg	5.0	1.4	04/07/23	04/09/23
Endrin	ND		ug/Kg	5.0	1.6	04/07/23	04/09/23
Endosulfan II	ND		ug/Kg	5.0	1.6	04/07/23	04/09/23
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	04/07/23	04/09/23
4,4'-DDD	ND		ug/Kg	5.0	1.1	04/07/23	04/09/23
Endrin aldehyde	ND		ug/Kg	5.0	1.7	04/07/23	04/09/23
Endrin ketone	ND		ug/Kg	5.0	1.4	04/07/23	04/09/23
4,4'-DDT	ND		ug/Kg	5.0	1.4	04/07/23	04/09/23
Methoxychlor	ND		ug/Kg	10	5.1	04/07/23	04/09/23
Toxaphene	ND		ug/Kg	100	15	04/07/23	04/09/23
Chlordane (Technical)	ND		ug/Kg	50	11	04/07/23	04/09/23
Surrogates				**Limits**			
TCMX	78%		%REC	23-120		04/07/23	04/09/23
Decachlorobiphenyl	95%		%REC	24-120		04/07/23	04/09/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1057153**	**Batch: 311346**
Matrix: Miscell.	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1057153 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	46.20	49.41	ug/Kg	94%		22-129
beta-BHC	48.74	49.41	ug/Kg	99%		28-125
gamma-BHC	46.35	49.41	ug/Kg	94%		22-128
delta-BHC	49.04	49.41	ug/Kg	99%		24-131
Heptachlor	48.72	49.41	ug/Kg	99%		18-124
Aldrin	42.93	49.41	ug/Kg	87%		23-120
Heptachlor epoxide	51.53	49.41	ug/Kg	104%		26-120
Endosulfan I	52.47	49.41	ug/Kg	106%		25-126
Dieldrin	52.10	49.41	ug/Kg	105%		23-124
4,4'-DDE	54.61	49.41	ug/Kg	111%		28-121
Endrin	58.34	49.41	ug/Kg	118%		25-127
Endosulfan II	52.59	49.41	ug/Kg	106%		29-121
Endosulfan sulfate	51.94	49.41	ug/Kg	105%		30-121
4,4'-DDD	57.44	49.41	ug/Kg	116%		26-120
Endrin aldehyde	29.22	49.41	ug/Kg	59%		10-120
Endrin ketone	53.10	49.41	ug/Kg	107%		28-125
4,4'-DDT	52.91	49.41	ug/Kg	107%		22-125
Methoxychlor	57.73	49.41	ug/Kg	117%		28-130
Surrogates						
TCMX	39.96	49.41	ug/Kg	81%		23-120
Decachlorobiphenyl	51.17	49.41	ug/Kg	104%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1057187**	**Batch:**	**311346**
Matrix (Source ID):	**Soil (482860-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1057187 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	44.71	ND	49.36	ug/Kg	91%		46-120	0.99
beta-BHC	47.54	ND	49.36	ug/Kg	96%		41-120	0.99
gamma-BHC	44.86	ND	49.36	ug/Kg	91%		41-120	0.99
delta-BHC	45.50	ND	49.36	ug/Kg	92%		38-123	0.99
Heptachlor	47.39	ND	49.36	ug/Kg	96%		39-120	0.99
Aldrin	44.06	ND	49.36	ug/Kg	89%		34-120	0.99
Heptachlor epoxide	48.51	ND	49.36	ug/Kg	98%		43-120	0.99
Endosulfan I	50.19	ND	49.36	ug/Kg	102%		45-120	0.99
Dieldrin	48.52	ND	49.36	ug/Kg	98%		45-120	0.99
4,4'-DDE	51.80	ND	49.36	ug/Kg	105%		34-120	0.99
Endrin	54.96	ND	49.36	ug/Kg	111%		40-120	0.99
Endosulfan II	50.50	ND	49.36	ug/Kg	102%		41-120	0.99
Endosulfan sulfate	50.41	ND	49.36	ug/Kg	102%		42-120	0.99
4,4'-DDD	54.52	ND	49.36	ug/Kg	110%		41-120	0.99
Endrin aldehyde	41.02	ND	49.36	ug/Kg	83%		30-120	0.99
Endrin ketone	50.64	ND	49.36	ug/Kg	103%		45-120	0.99
4,4'-DDT	54.10	ND	49.36	ug/Kg	110%		35-127	0.99
Methoxychlor	57.14	ND	49.36	ug/Kg	116%		42-136	0.99
Surrogates								
TCMX	38.38		49.36	ug/Kg	78%		23-120	0.99
Decachlorobiphenyl	49.63		49.36	ug/Kg	101%		24-120	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1057188**	**Batch:**	**311346**
Matrix (Source ID):	**Soil (482860-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1057188 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	45.69	ND	50.20	ug/Kg	91%		46-120	0	30	1
beta-BHC	49.57	ND	50.20	ug/Kg	99%		41-120	2	30	1
gamma-BHC	46.08	ND	50.20	ug/Kg	92%		41-120	1	30	1
delta-BHC	47.09	ND	50.20	ug/Kg	94%		38-123	2	30	1
Heptachlor	49.29	ND	50.20	ug/Kg	98%		39-120	2	30	1
Aldrin	45.80	ND	50.20	ug/Kg	91%		34-120	2	30	1
Heptachlor epoxide	50.70	ND	50.20	ug/Kg	101%		43-120	3	30	1
Endosulfan I	53.06	ND	50.20	ug/Kg	106%		45-120	4	30	1
Dieldrin	51.25	ND	50.20	ug/Kg	102%		45-120	4	30	1
4,4'-DDE	54.79	ND	50.20	ug/Kg	109%		34-120	4	30	1
Endrin	59.10	ND	50.20	ug/Kg	118%		40-120	6	30	1
Endosulfan II	53.91	ND	50.20	ug/Kg	107%		41-120	5	30	1
Endosulfan sulfate	53.79	ND	50.20	ug/Kg	107%		42-120	5	30	1
4,4'-DDD	58.19	ND	50.20	ug/Kg	116%		41-120	5	30	1
Endrin aldehyde	43.45	ND	50.20	ug/Kg	87%		30-120	4	30	1
Endrin ketone	53.57	ND	50.20	ug/Kg	107%		45-120	4	30	1
4,4'-DDT	57.67	ND	50.20	ug/Kg	115%		35-127	5	30	1
Methoxychlor	60.48	ND	50.20	ug/Kg	120%		42-136	4	30	1
Surrogates										
TCMX	38.44		50.20	ug/Kg	77%		23-120			1
Decachlorobiphenyl	51.71		50.20	ug/Kg	103%		24-120			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1057353	Batch: 311399
Matrix: Water		

QC1057353 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3510C							
alpha-BHC	ND		ug/L	0.05	0.01	04/09/23	04/09/23
beta-BHC	ND		ug/L	0.05	0.008	04/09/23	04/09/23
gamma-BHC	ND		ug/L	0.05	0.01	04/09/23	04/09/23
delta-BHC	ND		ug/L	0.05	0.007	04/09/23	04/09/23
Heptachlor	ND		ug/L	0.05	0.01	04/09/23	04/09/23
Aldrin	ND		ug/L	0.05	0.02	04/09/23	04/09/23
Heptachlor epoxide	ND		ug/L	0.05	0.01	04/09/23	04/09/23
Endosulfan I	ND		ug/L	0.05	0.01	04/09/23	04/09/23
Dieldrin	ND		ug/L	0.1	0.01	04/09/23	04/09/23
4,4'-DDE	ND		ug/L	0.1	0.01	04/09/23	04/09/23
Endrin	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Endosulfan II	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Endosulfan sulfate	ND		ug/L	0.1	0.02	04/09/23	04/09/23
4,4'-DDD	ND		ug/L	0.1	0.03	04/09/23	04/09/23
Endrin aldehyde	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Endrin ketone	ND		ug/L	0.1	0.02	04/09/23	04/09/23
4,4'-DDT	ND		ug/L	0.1	0.02	04/09/23	04/09/23
Methoxychlor	ND		ug/L	0.1	0.03	04/09/23	04/09/23
Toxaphene	ND		ug/L	2.0	0.3	04/09/23	04/09/23
Chlordane (Technical)	ND		ug/L	1.0	0.3	04/09/23	04/09/23
Surrogates				**Limits**			
TCMX	74%		%REC	14-120		04/09/23	04/09/23
Decachlorobiphenyl	87%		%REC	20-120		04/09/23	04/09/23
Method: EPA 8082 Prep Method: EPA 3510C							
Aroclor-1016	ND		ug/L	0.50	0.15	04/09/23	04/09/23
Aroclor-1221	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1232	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1242	ND		ug/L	0.50	0.17	04/09/23	04/09/23
Aroclor-1248	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1254	ND		ug/L	0.50	0.27	04/09/23	04/09/23
Aroclor-1260	ND		ug/L	0.50	0.20	04/09/23	04/09/23
Aroclor-1262	ND		ug/L	0.50	0.50	04/09/23	04/09/23
Aroclor-1268	ND		ug/L	0.50	0.12	04/09/23	04/09/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	108%		%REC	18-126		04/09/23	04/09/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1057354**	**Batch: 311399**
Matrix: Water	**Method: EPA 8081A**	**Prep Method: EPA 3510C**

QC1057354 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	0.5565	0.5000	ug/L	111%		53-120
beta-BHC	0.5279	0.5000	ug/L	106%		59-120
gamma-BHC	0.5396	0.5000	ug/L	108%		54-120
delta-BHC	0.5573	0.5000	ug/L	111%		58-120
Heptachlor	0.5233	0.5000	ug/L	105%		49-120
Aldrin	0.5189	0.5000	ug/L	104%		47-120
Heptachlor epoxide	0.5439	0.5000	ug/L	109%		53-120
Endosulfan I	0.5626	0.5000	ug/L	113%		56-120
Dieldrin	0.5143	0.5000	ug/L	103%		55-120
4,4'-DDE	0.5372	0.5000	ug/L	107%		55-120
Endrin	0.5499	0.5000	ug/L	110%		57-120
Endosulfan II	0.5249	0.5000	ug/L	105%		58-120
Endosulfan sulfate	0.4922	0.5000	ug/L	98%		56-120
4,4'-DDD	0.5456	0.5000	ug/L	109%		53-120
Endrin aldehyde	0.4481	0.5000	ug/L	90%		45-120
Endrin ketone	0.5069	0.5000	ug/L	101%		61-120
4,4'-DDT	0.4926	0.5000	ug/L	99%		58-120
Methoxychlor	0.4710	0.5000	ug/L	94%	#	54-120
Surrogates						
TCMX	0.3222	0.5000	ug/L	64%		14-120
Decachlorobiphenyl	0.4250	0.5000	ug/L	85%		20-120

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC1057355	Batch: 311399
Matrix: Water	Method: EPA 8081A	Prep Method: EPA 3510C

QC1057355 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
alpha-BHC	0.4718	0.5000	ug/L	94%		53-120	16	20
beta-BHC	0.4526	0.5000	ug/L	91%		59-120	15	20
gamma-BHC	0.4623	0.5000	ug/L	92%		54-120	15	20
delta-BHC	0.4757	0.5000	ug/L	95%		58-120	16	20
Heptachlor	0.4492	0.5000	ug/L	90%		49-120	15	20
Aldrin	0.4433	0.5000	ug/L	89%		47-120	16	20
Heptachlor epoxide	0.4662	0.5000	ug/L	93%		53-120	15	20
Endosulfan I	0.4811	0.5000	ug/L	96%		56-120	16	20
Dieldrin	0.4369	0.5000	ug/L	87%		55-120	16	20
4,4'-DDE	0.4644	0.5000	ug/L	93%		55-120	15	20
Endrin	0.4580	0.5000	ug/L	92%		57-120	18	20
Endosulfan II	0.4441	0.5000	ug/L	89%		58-120	17	20
Endosulfan sulfate	0.4137	0.5000	ug/L	83%		56-120	17	20
4,4'-DDD	0.4617	0.5000	ug/L	92%		53-120	17	20
Endrin aldehyde	0.3819	0.5000	ug/L	76%		45-120	16	20
Endrin ketone	0.4264	0.5000	ug/L	85%		61-120	17	20
4,4'-DDT	0.4209	0.5000	ug/L	84%		58-120	16	20
Methoxychlor	0.3958	0.5000	ug/L	79%	#	54-120	17	20
Surrogates								
TCMX	0.2706	0.5000	ug/L	54%		14-120		
Decachlorobiphenyl	0.3564	0.5000	ug/L	71%		20-120		

Type: Lab Control Sample	Lab ID: QC1057356	Batch: 311399
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1057356 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	4.870	5.000	ug/L	97%		36-143
Aroclor-1260	5.395	5.000	ug/L	108%		31-153
Surrogates						
Decachlorobiphenyl (PCB)	0.4773	0.5000	ug/L	95%		18-126

Type: Lab Control Sample Duplicate	Lab ID: QC1057357	Batch: 311399
Matrix: Water	Method: EPA 8082	Prep Method: EPA 3510C

QC1057357 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	5.231	5.000	ug/L	105%		36-143	7	39
Aroclor-1260	5.799	5.000	ug/L	116%		31-153	7	20
Surrogates								
Decachlorobiphenyl (PCB)	0.5030	0.5000	ug/L	101%		18-126		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1057054	Batch: 311319
Matrix: Soil		

QC1057054 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546							
alpha-BHC	ND		ug/Kg	5.0	1.2	04/07/23	04/08/23
beta-BHC	ND		ug/Kg	5.0	1.7	04/07/23	04/08/23
gamma-BHC	ND		ug/Kg	5.0	1.0	04/07/23	04/08/23
delta-BHC	ND		ug/Kg	5.0	1.3	04/07/23	04/08/23
Heptachlor	ND		ug/Kg	5.0	1.5	04/07/23	04/08/23
Aldrin	ND		ug/Kg	5.0	1.3	04/07/23	04/08/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	04/07/23	04/08/23
Endosulfan I	ND		ug/Kg	5.0	1.4	04/07/23	04/08/23
Dieldrin	ND		ug/Kg	5.0	1.4	04/07/23	04/08/23
4,4'-DDE	ND		ug/Kg	5.0	1.4	04/07/23	04/08/23
Endrin	ND		ug/Kg	5.0	1.6	04/07/23	04/08/23
Endosulfan II	ND		ug/Kg	5.0	1.6	04/07/23	04/08/23
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	04/07/23	04/08/23
4,4'-DDD	ND		ug/Kg	5.0	1.1	04/07/23	04/08/23
Endrin aldehyde	ND		ug/Kg	5.0	1.7	04/07/23	04/08/23
Endrin ketone	ND		ug/Kg	5.0	1.4	04/07/23	04/08/23
4,4'-DDT	ND		ug/Kg	5.0	1.4	04/07/23	04/08/23
Methoxychlor	ND		ug/Kg	10	5.0	04/07/23	04/08/23
Toxaphene	ND		ug/Kg	100	15	04/07/23	04/08/23
Chlordane (Technical)	ND		ug/Kg	50	11	04/07/23	04/08/23
Surrogates				**Limits**			
TCMX	66%		%REC	23-120		04/07/23	04/08/23
Decachlorobiphenyl	64%		%REC	24-120		04/07/23	04/08/23
Method: EPA 8082 Prep Method: EPA 3546							
Aroclor-1016	ND		ug/Kg	50	14	04/07/23	04/12/23
Aroclor-1221	ND		ug/Kg	50	23	04/07/23	04/12/23
Aroclor-1232	ND		ug/Kg	50	18	04/07/23	04/12/23
Aroclor-1242	ND		ug/Kg	50	18	04/07/23	04/12/23
Aroclor-1248	ND		ug/Kg	50	21	04/07/23	04/12/23
Aroclor-1254	ND		ug/Kg	50	6.5	04/07/23	04/12/23
Aroclor-1260	ND		ug/Kg	50	24	04/07/23	04/12/23
Aroclor-1262	ND		ug/Kg	50	16	04/07/23	04/12/23
Aroclor-1268	ND		ug/Kg	50	13	04/07/23	04/12/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	64%		%REC	19-121		04/07/23	04/12/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1057055**	**Batch: 311319**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1057055 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	40.63	49.60	ug/Kg	82%		22-129
beta-BHC	38.92	49.60	ug/Kg	78%		28-125
gamma-BHC	38.34	49.60	ug/Kg	77%		22-128
delta-BHC	37.36	49.60	ug/Kg	75%		24-131
Heptachlor	37.28	49.60	ug/Kg	75%		18-124
Aldrin	30.52	49.60	ug/Kg	62%		23-120
Heptachlor epoxide	37.72	49.60	ug/Kg	76%		26-120
Endosulfan I	38.28	49.60	ug/Kg	77%		25-126
Dieldrin	37.89	49.60	ug/Kg	76%		23-124
4,4'-DDE	37.97	49.60	ug/Kg	77%		28-121
Endrin	39.53	49.60	ug/Kg	80%		25-127
Endosulfan II	36.49	49.60	ug/Kg	74%		29-121
Endosulfan sulfate	34.26	49.60	ug/Kg	69%		30-121
4,4'-DDD	36.95	49.60	ug/Kg	74%		26-120
Endrin aldehyde	12.58	49.60	ug/Kg	25%		10-120
Endrin ketone	36.46	49.60	ug/Kg	74%	#	28-125
4,4'-DDT	30.41	49.60	ug/Kg	61%		22-125
Methoxychlor	31.82	49.60	ug/Kg	64%		28-130
Surrogates						
TCMX	34.09	49.60	ug/Kg	69%		23-120
Decachlorobiphenyl	30.88	49.60	ug/Kg	62%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1057232**	**Batch:**	**311319**
Matrix (Source ID):	**Soil (482858-009)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1057232 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	45.79	ND	49.80	ug/Kg	92%		46-120	1
beta-BHC	46.92	ND	49.80	ug/Kg	94%		41-120	1
gamma-BHC	44.30	ND	49.80	ug/Kg	89%		41-120	1
delta-BHC	44.87	ND	49.80	ug/Kg	90%		38-123	1
Heptachlor	44.28	ND	49.80	ug/Kg	89%		39-120	1
Aldrin	43.94	ND	49.80	ug/Kg	88%		34-120	1
Heptachlor epoxide	44.94	ND	49.80	ug/Kg	90%		43-120	1
Endosulfan I	45.69	ND	49.80	ug/Kg	92%		45-120	1
Dieldrin	43.52	ND	49.80	ug/Kg	87%		45-120	1
4,4'-DDE	43.84	ND	49.80	ug/Kg	88%		34-120	1
Endrin	47.35	ND	49.80	ug/Kg	95%		40-120	1
Endosulfan II	42.85	ND	49.80	ug/Kg	86%		41-120	1
Endosulfan sulfate	40.64	ND	49.80	ug/Kg	82%		42-120	1
4,4'-DDD	42.50	ND	49.80	ug/Kg	85%		41-120	1
Endrin aldehyde	32.93	ND	49.80	ug/Kg	66%		30-120	1
Endrin ketone	40.29	ND	49.80	ug/Kg	81%	#	45-120	1
4,4'-DDT	47.05	2.591	49.80	ug/Kg	89%		35-127	1
Methoxychlor	56.12	ND	49.80	ug/Kg	113%		42-136	1
Surrogates								
TCMX	37.11		49.80	ug/Kg	75%		23-120	1
Decachlorobiphenyl	33.62		49.80	ug/Kg	68%		24-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1057233**	**Batch:**	**311319**
Matrix (Source ID):	**Soil (482858-009)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1057233 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	43.61	ND	49.60	ug/Kg	88%		46-120	4	30	0.99
beta-BHC	43.56	ND	49.60	ug/Kg	88%		41-120	7	30	0.99
gamma-BHC	42.47	ND	49.60	ug/Kg	86%		41-120	4	30	0.99
delta-BHC	43.54	ND	49.60	ug/Kg	88%		38-123	3	30	0.99
Heptachlor	42.53	ND	49.60	ug/Kg	86%		39-120	4	30	0.99
Aldrin	41.69	ND	49.60	ug/Kg	84%		34-120	5	30	0.99
Heptachlor epoxide	43.09	ND	49.60	ug/Kg	87%		43-120	4	30	0.99
Endosulfan I	44.14	ND	49.60	ug/Kg	89%		45-120	3	30	0.99
Dieldrin	42.30	ND	49.60	ug/Kg	85%		45-120	2	30	0.99
4,4'-DDE	41.58	ND	49.60	ug/Kg	84%		34-120	5	30	0.99
Endrin	45.08	ND	49.60	ug/Kg	91%		40-120	5	30	0.99
Endosulfan II	41.28	ND	49.60	ug/Kg	83%		41-120	3	30	0.99
Endosulfan sulfate	38.38	ND	49.60	ug/Kg	77%		42-120	5	30	0.99
4,4'-DDD	41.06	ND	49.60	ug/Kg	83%		41-120	3	30	0.99
Endrin aldehyde	31.64	ND	49.60	ug/Kg	64%		30-120	4	30	0.99
Endrin ketone	39.83	ND	49.60	ug/Kg	80%	#	45-120	1	30	0.99
4,4'-DDT	45.66	2.591	49.60	ug/Kg	87%		35-127	3	30	0.99
Methoxychlor	52.86	ND	49.60	ug/Kg	107%		42-136	6	30	0.99
Surrogates										
TCMX	36.00		49.60	ug/Kg	73%		23-120			0.99
Decachlorobiphenyl	33.71		49.60	ug/Kg	68%		24-120			0.99

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057234**	**Batch:**	**311319**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1057234 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	390.7	498.5	ug/Kg	78%		14-150
Aroclor-1260	379.9	498.5	ug/Kg	76%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	34.19	49.85	ug/Kg	69%		19-121

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1057235**	**Batch:**	**311319**
Matrix (Source ID):	**Soil (482858-017)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1057235 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	421.0	ND	500.0	ug/Kg	84%		42-127	1
Aroclor-1260	620.9	ND	500.0	ug/Kg	124%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	43.11		50.00	ug/Kg	86%		19-121	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1057236**	**Batch:**	**311319**
Matrix (Source ID):	**Soil (482858-017)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1057236 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	433.8	ND	498.5	ug/Kg	87%		42-127	3	30	1
Aroclor-1260	582.7	ND	498.5	ug/Kg	117%		38-130	6	30	1
Surrogates										
Decachlorobiphenyl (PCB)	45.16		49.85	ug/Kg	91%		19-121			1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057243**	**Batch:**	**311371**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1057243 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	46.56	50.00	ug/L	93%		70-135
MTBE	49.98	50.00	ug/L	100%		70-130
Benzene	46.39	50.00	ug/L	93%		70-130
Trichloroethene	48.31	50.00	ug/L	97%		70-130
Toluene	45.35	50.00	ug/L	91%		70-130
Chlorobenzene	46.75	50.00	ug/L	94%		70-130
Surrogates						
Dibromofluoromethane	51.96	50.00	ug/L	104%		70-140
1,2-Dichloroethane-d4	51.28	50.00	ug/L	103%		70-140
Toluene-d8	50.26	50.00	ug/L	101%		70-140
Bromofluorobenzene	50.68	50.00	ug/L	101%		70-140

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1057244**	**Batch:**	**311371**
Matrix:	**Water**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1057244 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.73	50.00	ug/L	97%		70-135	5	30
MTBE	52.92	50.00	ug/L	106%		70-130	6	30
Benzene	47.77	50.00	ug/L	96%		70-130	3	30
Trichloroethene	49.05	50.00	ug/L	98%		70-130	2	30
Toluene	46.56	50.00	ug/L	93%		70-130	3	30
Chlorobenzene	46.82	50.00	ug/L	94%		70-130	0	30
Surrogates								
Dibromofluoromethane	52.65	50.00	ug/L	105%		70-140		
1,2-Dichloroethane-d4	51.64	50.00	ug/L	103%		70-140		
Toluene-d8	49.79	50.00	ug/L	100%		70-140		
Bromofluorobenzene	50.34	50.00	ug/L	101%		70-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1057247	**Batch:** 311371
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B

QC1057247 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Freon 12	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Chloromethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Vinyl Chloride	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Bromomethane	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Chloroethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Trichlorofluoromethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Acetone	ND		ug/L	100	17	04/08/23	04/08/23
Freon 113	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,1-Dichloroethene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Methylene Chloride	ND		ug/L	5.0	0.5	04/08/23	04/08/23
MTBE	ND		ug/L	5.0	0.1	04/08/23	04/08/23
trans-1,2-Dichloroethene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,1-Dichloroethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
2-Butanone	ND		ug/L	100	0.6	04/08/23	04/08/23
cis-1,2-Dichloroethene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
2,2-Dichloropropane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Chloroform	ND		ug/L	5.0	0.3	04/08/23	04/08/23
Bromochloromethane	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,1,1-Trichloroethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,1-Dichloropropene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Carbon Tetrachloride	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,2-Dichloroethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Benzene	ND		ug/L	5.0	0.08	04/08/23	04/08/23
Trichloroethene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,2-Dichloropropane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Bromodichloromethane	ND		ug/L	5.0	0.05	04/08/23	04/08/23
Dibromomethane	ND		ug/L	5.0	0.2	04/08/23	04/08/23
4-Methyl-2-Pentanone	ND		ug/L	5.0	0.3	04/08/23	04/08/23
cis-1,3-Dichloropropene	ND		ug/L	5.0	0.07	04/08/23	04/08/23
Toluene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
trans-1,3-Dichloropropene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,1,2-Trichloroethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,3-Dichloropropane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Tetrachloroethene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Dibromochloromethane	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,2-Dibromoethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Chlorobenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Ethylbenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
m,p-Xylenes	ND		ug/L	10	0.2	04/08/23	04/08/23
o-Xylene	ND		ug/L	5.0	0.1	04/08/23	04/08/23

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Batch QC

QC1057247 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Styrene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Bromoform	ND		ug/L	5.0	0.08	04/08/23	04/08/23
Isopropylbenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,2,3-Trichloropropane	ND		ug/L	5.0	0.08	04/08/23	04/08/23
Propylbenzene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Bromobenzene	ND		ug/L	5.0	0.09	04/08/23	04/08/23
1,3,5-Trimethylbenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
2-Chlorotoluene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
4-Chlorotoluene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
tert-Butylbenzene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,2,4-Trimethylbenzene	ND		ug/L	5.0	0.09	04/08/23	04/08/23
sec-Butylbenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
para-Isopropyl Toluene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,3-Dichlorobenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,4-Dichlorobenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
n-Butylbenzene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
1,2-Dichlorobenzene	ND		ug/L	5.0	0.08	04/08/23	04/08/23
1,2-Dibromo-3-Chloropropane	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,2,4-Trichlorobenzene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
Hexachlorobutadiene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Naphthalene	ND		ug/L	5.0	0.1	04/08/23	04/08/23
1,2,3-Trichlorobenzene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
cis-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.3	04/08/23	04/08/23
trans-1,4-Dichloro-2-butene	ND		ug/L	5.0	0.2	04/08/23	04/08/23
Xylene (total)	ND		ug/L	5.0		04/08/23	04/08/23
Surrogates				**Limits**			
Dibromofluoromethane	105%		%REC	70-140		04/08/23	04/08/23
1,2-Dichloroethane-d4	104%		%REC	70-140		04/08/23	04/08/23
Toluene-d8	101%		%REC	70-140		04/08/23	04/08/23
Bromofluorobenzene	101%		%REC	70-140		04/08/23	04/08/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1057268	Batch: 311376
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1057268 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	43.30	50.00	ug/Kg	87%		70-131
MTBE	52.79	50.00	ug/Kg	106%		69-130
Benzene	43.16	50.00	ug/Kg	86%		70-130
Trichloroethene	42.26	50.00	ug/Kg	85%		70-130
Toluene	43.71	50.00	ug/Kg	87%		70-130
Chlorobenzene	42.89	50.00	ug/Kg	86%		70-130
Surrogates						
Dibromofluoromethane	49.92	50.00	ug/Kg	100%		70-130
1,2-Dichloroethane-d4	52.75	50.00	ug/Kg	105%		70-145
Toluene-d8	50.45	50.00	ug/Kg	101%		70-145
Bromofluorobenzene	51.00	50.00	ug/Kg	102%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC1057269	Batch: 311376
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1057269 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	45.19	50.00	ug/Kg	90%		70-131	4	33
MTBE	56.52	50.00	ug/Kg	113%		69-130	7	30
Benzene	45.46	50.00	ug/Kg	91%		70-130	5	30
Trichloroethene	43.73	50.00	ug/Kg	87%		70-130	3	30
Toluene	45.41	50.00	ug/Kg	91%		70-130	4	30
Chlorobenzene	44.98	50.00	ug/Kg	90%		70-130	5	30
Surrogates								
Dibromofluoromethane	49.16	50.00	ug/Kg	98%		70-130		
1,2-Dichloroethane-d4	52.89	50.00	ug/Kg	106%		70-145		
Toluene-d8	49.52	50.00	ug/Kg	99%		70-145		
Bromofluorobenzene	50.75	50.00	ug/Kg	101%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1057272	**Batch:** 311376
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** EPA 5035

QC1057272 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	1.3	04/08/23	04/08/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	3.2	04/08/23	04/08/23
Freon 12	ND		ug/Kg	5.0	1.2	04/08/23	04/08/23
Chloromethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Vinyl Chloride	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Bromomethane	ND		ug/Kg	5.0	1.5	04/08/23	04/08/23
Chloroethane	ND		ug/Kg	5.0	1.2	04/08/23	04/08/23
Trichlorofluoromethane	ND		ug/Kg	5.0	1.2	04/08/23	04/08/23
Acetone	51	J	ug/Kg	100	20	04/08/23	04/08/23
Freon 113	ND		ug/Kg	5.0	1.1	04/08/23	04/08/23
1,1-Dichloroethene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Methylene Chloride	ND		ug/Kg	5.0	1.8	04/08/23	04/08/23
MTBE	ND		ug/Kg	5.0	1.1	04/08/23	04/08/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,1-Dichloroethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
2-Butanone	ND		ug/Kg	100	20	04/08/23	04/08/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	04/08/23	04/08/23
2,2-Dichloropropane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Chloroform	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Bromochloromethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,1-Dichloropropene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Carbon Tetrachloride	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2-Dichloroethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Benzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Trichloroethene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2-Dichloropropane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Bromodichloromethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Dibromomethane	ND		ug/Kg	5.0	1.2	04/08/23	04/08/23
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.8	04/08/23	04/08/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.2	04/08/23	04/08/23
Toluene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,3-Dichloropropane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Tetrachloroethene	ND		ug/Kg	5.0	1.9	04/08/23	04/08/23
Dibromochloromethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2-Dibromoethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Chlorobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Ethylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23

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Batch QC

QC1057272 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
m,p-Xylenes	ND		ug/Kg	10	1.4	04/08/23	04/08/23
o-Xylene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Styrene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Bromoform	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Isopropylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Propylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Bromobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
2-Chlorotoluene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
4-Chlorotoluene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
tert-Butylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
sec-Butylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
para-Isopropyl Toluene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
n-Butylbenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.4	04/08/23	04/08/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Hexachlorobutadiene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Naphthalene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1.0	04/08/23	04/08/23
Xylene (total)	ND		ug/Kg	5.0		04/08/23	04/08/23
Surrogates				**Limits**			
Dibromofluoromethane	99%		%REC	70-130		04/08/23	04/08/23
1,2-Dichloroethane-d4	105%		%REC	70-145		04/08/23	04/08/23
Toluene-d8	97%		%REC	70-145		04/08/23	04/08/23
Bromofluorobenzene	99%		%REC	70-145		04/08/23	04/08/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1057390**	**Batch:**	**311404**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1057390 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/L	0.50	0.36	04/09/23	04/10/23
2-Methylnaphthalene	ND		ug/L	0.50	0.37	04/09/23	04/10/23
Naphthalene	ND		ug/L	0.50	0.37	04/09/23	04/10/23
Acenaphthylene	ND		ug/L	0.50	0.35	04/09/23	04/10/23
Acenaphthene	ND		ug/L	0.50	0.33	04/09/23	04/10/23
Fluorene	ND		ug/L	0.50	0.35	04/09/23	04/10/23
Phenanthrene	ND		ug/L	0.50	0.27	04/09/23	04/10/23
Anthracene	ND		ug/L	0.50	0.26	04/09/23	04/10/23
Fluoranthene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Pyrene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Benzo(a)anthracene	ND		ug/L	0.50	0.27	04/09/23	04/10/23
Chrysene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Benzo(b)fluoranthene	ND		ug/L	0.50	0.31	04/09/23	04/10/23
Benzo(k)fluoranthene	ND		ug/L	0.50	0.33	04/09/23	04/10/23
Benzo(a)pyrene	ND		ug/L	0.50	0.29	04/09/23	04/10/23
Indeno(1,2,3-cd)pyrene	ND		ug/L	0.50	0.29	04/09/23	04/10/23
Dibenz(a,h)anthracene	ND		ug/L	0.50	0.28	04/09/23	04/10/23
Benzo(g,h,i)perylene	ND		ug/L	0.50	0.28	04/09/23	04/10/23
Surrogates				**Limits**			
Nitrobenzene-d5	51%		%REC	16-125		04/09/23	04/10/23
2-Fluorobiphenyl	47%		%REC	17-120		04/09/23	04/10/23
Terphenyl-d14	68%		%REC	39-123		04/09/23	04/10/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057392**	**Batch:**	**311404**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1057392 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	2.242	4.000	ug/L	56%		23-120
2-Methylnaphthalene	2.287	4.000	ug/L	57%		33-120
Naphthalene	2.353	4.000	ug/L	59%		38-120
Acenaphthylene	2.551	4.000	ug/L	64%		37-120
Acenaphthene	2.487	4.000	ug/L	62%		39-120
Fluorene	2.573	4.000	ug/L	64%		43-120
Phenanthrene	2.609	4.000	ug/L	65%		42-120
Anthracene	2.647	4.000	ug/L	66%		42-120
Fluoranthene	2.693	4.000	ug/L	67%		48-120
Pyrene	2.731	4.000	ug/L	68%		44-120
Benzo(a)anthracene	2.750	4.000	ug/L	69%		51-126
Chrysene	2.883	4.000	ug/L	72%		47-120
Benzo(b)fluoranthene	2.872	4.000	ug/L	72%		44-127
Benzo(k)fluoranthene	2.918	4.000	ug/L	73%		43-127
Benzo(a)pyrene	2.835	4.000	ug/L	71%		29-124
Indeno(1,2,3-cd)pyrene	3.156	4.000	ug/L	79%		44-127
Dibenz(a,h)anthracene	3.109	4.000	ug/L	78%		55-120
Benzo(g,h,i)perylene	3.132	4.000	ug/L	78%		46-120
Surrogates						
Nitrobenzene-d5	2.698	4.000	ug/L	67%		16-125
2-Fluorobiphenyl	2.474	4.000	ug/L	62%		17-120
Terphenyl-d14	2.719	4.000	ug/L	68%		39-123

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1057393**	**Batch:**	**311404**
Matrix:	**Water**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3510C**

QC1057393 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1-Methylnaphthalene	2.440	4.000	ug/L	61%		23-120	8	20
2-Methylnaphthalene	2.497	4.000	ug/L	62%		33-120	9	20
Naphthalene	2.516	4.000	ug/L	63%		38-120	7	20
Acenaphthylene	2.745	4.000	ug/L	69%		37-120	7	20
Acenaphthene	2.644	4.000	ug/L	66%		39-120	6	20
Fluorene	2.765	4.000	ug/L	69%		43-120	7	20
Phenanthrene	2.815	4.000	ug/L	70%		42-120	8	20
Anthracene	2.869	4.000	ug/L	72%		42-120	8	20
Fluoranthene	2.910	4.000	ug/L	73%		48-120	8	20
Pyrene	2.925	4.000	ug/L	73%		44-120	7	20
Benzo(a)anthracene	2.984	4.000	ug/L	75%		51-126	8	20
Chrysene	3.131	4.000	ug/L	78%		47-120	8	20
Benzo(b)fluoranthene	3.028	4.000	ug/L	76%		44-127	5	20
Benzo(k)fluoranthene	3.049	4.000	ug/L	76%		43-127	4	20
Benzo(a)pyrene	2.981	4.000	ug/L	75%		29-124	5	20
Indeno(1,2,3-cd)pyrene	3.338	4.000	ug/L	83%		44-127	6	20
Dibenz(a,h)anthracene	3.300	4.000	ug/L	83%		55-120	6	20
Benzo(g,h,i)perylene	3.292	4.000	ug/L	82%		46-120	5	20
Surrogates								
Nitrobenzene-d5	2.953	4.000	ug/L	74%		16-125		
2-Fluorobiphenyl	2.664	4.000	ug/L	67%		17-120		
Terphenyl-d14	3.010	4.000	ug/L	75%		39-123		

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1057546**	**Batch:**	**311426**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1057546 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	3.0	04/10/23	04/10/23
2-Methylnaphthalene	ND		ug/Kg	10	3.0	04/10/23	04/10/23
Naphthalene	ND		ug/Kg	10	3.1	04/10/23	04/10/23
Acenaphthylene	ND		ug/Kg	10	2.5	04/10/23	04/10/23
Acenaphthene	ND		ug/Kg	10	2.7	04/10/23	04/10/23
Fluorene	ND		ug/Kg	10	2.6	04/10/23	04/10/23
Phenanthrene	ND		ug/Kg	10	2.3	04/10/23	04/10/23
Anthracene	ND		ug/Kg	10	1.8	04/10/23	04/10/23
Fluoranthene	ND		ug/Kg	10	1.0	04/10/23	04/10/23
Pyrene	ND		ug/Kg	10	1.2	04/10/23	04/10/23
Benzo(a)anthracene	ND		ug/Kg	10	0.95	04/10/23	04/10/23
Chrysene	ND		ug/Kg	10	1.2	04/10/23	04/10/23
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	04/10/23	04/10/23
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	04/10/23	04/10/23
Benzo(a)pyrene	ND		ug/Kg	10	2.0	04/10/23	04/10/23
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	04/10/23	04/10/23
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	04/10/23	04/10/23
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	04/10/23	04/10/23
Surrogates				**Limits**			
Nitrobenzene-d5	71%		%REC	27-125		04/10/23	04/10/23
2-Fluorobiphenyl	66%		%REC	30-120		04/10/23	04/10/23
Terphenyl-d14	90%		%REC	33-155		04/10/23	04/10/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1057547**	**Batch:**	**311426**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1057547 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	131.7	198.0	ug/Kg	67%		28-130
2-Methylnaphthalene	135.3	198.0	ug/Kg	68%		33-130
Naphthalene	135.4	198.0	ug/Kg	68%		25-130
Acenaphthylene	144.0	198.0	ug/Kg	73%		28-130
Acenaphthene	143.2	198.0	ug/Kg	72%		32-130
Fluorene	149.2	198.0	ug/Kg	75%		35-130
Phenanthrene	158.6	198.0	ug/Kg	80%		35-132
Anthracene	161.9	198.0	ug/Kg	82%		34-136
Fluoranthene	168.7	198.0	ug/Kg	85%		34-139
Pyrene	172.1	198.0	ug/Kg	87%		35-134
Benzo(a)anthracene	169.1	198.0	ug/Kg	85%		30-132
Chrysene	178.7	198.0	ug/Kg	90%		29-130
Benzo(b)fluoranthene	176.2	198.0	ug/Kg	89%		32-137
Benzo(k)fluoranthene	178.3	198.0	ug/Kg	90%		32-130
Benzo(a)pyrene	177.6	198.0	ug/Kg	90%		10-138
Indeno(1,2,3-cd)pyrene	191.0	198.0	ug/Kg	96%		34-132
Dibenz(a,h)anthracene	188.4	198.0	ug/Kg	95%		32-130
Benzo(g,h,i)perylene	189.5	198.0	ug/Kg	96%		27-130
Surrogates						
Nitrobenzene-d5	150.0	198.0	ug/Kg	76%		27-125
2-Fluorobiphenyl	142.1	198.0	ug/Kg	72%		30-120
Terphenyl-d14	182.3	198.0	ug/Kg	92%		33-155

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1057548**	**Batch:**	**311426**
Matrix (Source ID):	**Soil (482870-001)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1057548 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	130.4	ND	202.0	ug/Kg	65%		25-130	1
2-Methylnaphthalene	135.0	ND	202.0	ug/Kg	67%		32-133	1
Naphthalene	135.9	ND	202.0	ug/Kg	67%		33-130	1
Acenaphthylene	143.1	ND	202.0	ug/Kg	71%		14-157	1
Acenaphthene	137.1	ND	202.0	ug/Kg	68%		28-134	1
Fluorene	143.4	ND	202.0	ug/Kg	71%		27-140	1
Phenanthrene	159.5	ND	202.0	ug/Kg	79%		29-147	1
Anthracene	164.7	ND	202.0	ug/Kg	82%		24-156	1
Fluoranthene	172.7	ND	202.0	ug/Kg	86%		28-160	1
Pyrene	175.8	ND	202.0	ug/Kg	87%		26-153	1
Benzo(a)anthracene	171.8	ND	202.0	ug/Kg	85%		26-174	1
Chrysene	178.5	ND	202.0	ug/Kg	88%		40-139	1
Benzo(b)fluoranthene	172.8	ND	202.0	ug/Kg	86%		36-164	1
Benzo(k)fluoranthene	173.9	ND	202.0	ug/Kg	86%		36-161	1
Benzo(a)pyrene	174.7	ND	202.0	ug/Kg	86%		18-173	1
Indeno(1,2,3-cd)pyrene	185.7	ND	202.0	ug/Kg	92%		26-154	1
Dibenz(a,h)anthracene	181.4	ND	202.0	ug/Kg	90%		38-132	1
Benzo(g,h,i)perylene	183.3	ND	202.0	ug/Kg	91%		36-130	1
Surrogates								
Nitrobenzene-d5	151.5		202.0	ug/Kg	75%		27-125	1
2-Fluorobiphenyl	141.4		202.0	ug/Kg	70%		30-120	1
Terphenyl-d14	183.1		202.0	ug/Kg	91%		33-155	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1057549**	**Batch:**	**311426**
Matrix (Source ID):	**Soil (482870-001)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1057549 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	126.9	ND	201.0	ug/Kg	63%		25-130	2	35	1
2-Methylnaphthalene	130.1	ND	201.0	ug/Kg	65%		32-133	3	35	1
Naphthalene	129.2	ND	201.0	ug/Kg	64%		33-130	5	35	1
Acenaphthylene	141.3	ND	201.0	ug/Kg	70%		14-157	1	35	1
Acenaphthene	137.2	ND	201.0	ug/Kg	68%		28-134	1	35	1
Fluorene	145.5	ND	201.0	ug/Kg	72%		27-140	2	35	1
Phenanthrene	161.0	ND	201.0	ug/Kg	80%		29-147	1	35	1
Anthracene	164.9	ND	201.0	ug/Kg	82%		24-156	1	35	1
Fluoranthene	175.9	ND	201.0	ug/Kg	88%		28-160	2	35	1
Pyrene	179.3	ND	201.0	ug/Kg	89%		26-153	2	35	1
Benzo(a)anthracene	174.7	ND	201.0	ug/Kg	87%		26-174	2	35	1
Chrysene	182.4	ND	201.0	ug/Kg	91%		40-139	3	35	1
Benzo(b)fluoranthene	175.5	ND	201.0	ug/Kg	87%		36-164	2	35	1
Benzo(k)fluoranthene	181.2	ND	201.0	ug/Kg	90%		36-161	5	35	1
Benzo(a)pyrene	178.2	ND	201.0	ug/Kg	89%		18-173	3	35	1
Indeno(1,2,3-cd)pyrene	189.0	ND	201.0	ug/Kg	94%		26-154	2	35	1
Dibenz(a,h)anthracene	185.9	ND	201.0	ug/Kg	92%		38-132	3	35	1
Benzo(g,h,i)perylene	188.3	ND	201.0	ug/Kg	94%		36-130	3	35	1
Surrogates										
Nitrobenzene-d5	140.3		201.0	ug/Kg	70%		27-125			1
2-Fluorobiphenyl	132.0		201.0	ug/Kg	66%		30-120			1
Terphenyl-d14	179.6		201.0	ug/Kg	89%		33-155			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1058174		**Batch:** 311609
Matrix: Soil	**Method:** EPA 8270C-SIM		**Prep Method:** EPA 3546

QC1058174 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	10	3.0	04/12/23	04/12/23
2-Methylnaphthalene	ND		ug/Kg	10	3.0	04/12/23	04/12/23
Naphthalene	ND		ug/Kg	10	3.1	04/12/23	04/12/23
Acenaphthylene	ND		ug/Kg	10	2.5	04/12/23	04/12/23
Acenaphthene	ND		ug/Kg	10	2.7	04/12/23	04/12/23
Fluorene	ND		ug/Kg	10	2.6	04/12/23	04/12/23
Phenanthrene	ND		ug/Kg	10	2.3	04/12/23	04/12/23
Anthracene	ND		ug/Kg	10	1.8	04/12/23	04/12/23
Fluoranthene	ND		ug/Kg	10	1.0	04/12/23	04/12/23
Pyrene	ND		ug/Kg	10	1.2	04/12/23	04/12/23
Benzo(a)anthracene	ND		ug/Kg	10	0.95	04/12/23	04/12/23
Chrysene	ND		ug/Kg	10	1.2	04/12/23	04/12/23
Benzo(b)fluoranthene	ND		ug/Kg	10	1.2	04/12/23	04/12/23
Benzo(k)fluoranthene	ND		ug/Kg	10	1.9	04/12/23	04/12/23
Benzo(a)pyrene	ND		ug/Kg	10	2.0	04/12/23	04/12/23
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1.1	04/12/23	04/12/23
Dibenz(a,h)anthracene	ND		ug/Kg	10	1.3	04/12/23	04/12/23
Benzo(g,h,i)perylene	ND		ug/Kg	10	1.4	04/12/23	04/12/23
Surrogates				**Limits**			
Nitrobenzene-d5	65%		%REC	27-125		04/12/23	04/12/23
2-Fluorobiphenyl	57%		%REC	30-120		04/12/23	04/12/23
Terphenyl-d14	62%		%REC	33-155		04/12/23	04/12/23

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC1058176**	**Batch:**	**311609**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1058176 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	148.8	198.0	ug/Kg	75%		28-130
2-Methylnaphthalene	155.2	198.0	ug/Kg	78%		33-130
Naphthalene	152.4	198.0	ug/Kg	77%		25-130
Acenaphthylene	161.0	198.0	ug/Kg	81%		28-130
Acenaphthene	149.7	198.0	ug/Kg	76%		32-130
Fluorene	153.0	198.0	ug/Kg	77%		35-130
Phenanthrene	150.5	198.0	ug/Kg	76%		35-132
Anthracene	156.3	198.0	ug/Kg	79%		34-136
Fluoranthene	150.9	198.0	ug/Kg	76%		34-139
Pyrene	150.6	198.0	ug/Kg	76%		35-134
Benzo(a)anthracene	156.5	198.0	ug/Kg	79%		30-132
Chrysene	160.4	198.0	ug/Kg	81%		29-130
Benzo(b)fluoranthene	157.9	198.0	ug/Kg	80%		32-137
Benzo(k)fluoranthene	158.0	198.0	ug/Kg	80%		32-130
Benzo(a)pyrene	160.2	198.0	ug/Kg	81%		10-138
Indeno(1,2,3-cd)pyrene	164.9	198.0	ug/Kg	83%		34-132
Dibenz(a,h)anthracene	162.0	198.0	ug/Kg	82%		32-130
Benzo(g,h,i)perylene	155.3	198.0	ug/Kg	78%		27-130
Surrogates						
Nitrobenzene-d5	175.4	198.0	ug/Kg	89%		27-125
2-Fluorobiphenyl	158.4	198.0	ug/Kg	80%		30-120
Terphenyl-d14	162.4	198.0	ug/Kg	82%		33-155

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1058177**	**Batch:**	**311609**
Matrix (Source ID):	**Soil (482999-023)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1058177 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	159.1	ND	202.0	ug/Kg	79%		25-130	1
2-Methylnaphthalene	163.9	ND	202.0	ug/Kg	81%		32-133	1
Naphthalene	158.4	ND	202.0	ug/Kg	78%		33-130	1
Acenaphthylene	175.1	ND	202.0	ug/Kg	87%		14-157	1
Acenaphthene	167.4	ND	202.0	ug/Kg	83%		28-134	1
Fluorene	171.1	ND	202.0	ug/Kg	85%		27-140	1
Phenanthrene	166.5	ND	202.0	ug/Kg	82%		29-147	1
Anthracene	173.3	ND	202.0	ug/Kg	86%		24-156	1
Fluoranthene	162.1	ND	202.0	ug/Kg	80%		28-160	1
Pyrene	161.2	ND	202.0	ug/Kg	80%		26-153	1
Benzo(a)anthracene	171.2	ND	202.0	ug/Kg	85%		26-174	1
Chrysene	172.1	ND	202.0	ug/Kg	85%		40-139	1
Benzo(b)fluoranthene	160.2	ND	202.0	ug/Kg	79%		36-164	1
Benzo(k)fluoranthene	157.8	ND	202.0	ug/Kg	78%		36-161	1
Benzo(a)pyrene	161.9	ND	202.0	ug/Kg	80%		18-173	1
Indeno(1,2,3-cd)pyrene	169.9	ND	202.0	ug/Kg	84%		26-154	1
Dibenz(a,h)anthracene	164.2	ND	202.0	ug/Kg	81%		38-132	1
Benzo(g,h,i)perylene	162.1	ND	202.0	ug/Kg	80%		36-130	1
Surrogates								
Nitrobenzene-d5	191.9		202.0	ug/Kg	95%		27-125	1
2-Fluorobiphenyl	176.6		202.0	ug/Kg	87%		30-120	1
Terphenyl-d14	174.5		202.0	ug/Kg	86%		33-155	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1058178**	**Batch:**	**311609**
Matrix (Source ID):	**Soil (482999-023)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3546**

QC1058178 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	176.0	ND	200.0	ug/Kg	88%		25-130	11	35	1
2-Methylnaphthalene	182.3	ND	200.0	ug/Kg	91%		32-133	12	35	1
Naphthalene	174.2	ND	200.0	ug/Kg	87%		33-130	10	35	1
Acenaphthylene	192.1	ND	200.0	ug/Kg	96%		14-157	10	35	1
Acenaphthene	179.6	ND	200.0	ug/Kg	90%		28-134	8	35	1
Fluorene	183.0	ND	200.0	ug/Kg	92%		27-140	8	35	1
Phenanthrene	176.9	ND	200.0	ug/Kg	88%		29-147	7	35	1
Anthracene	184.7	ND	200.0	ug/Kg	92%		24-156	7	35	1
Fluoranthene	175.5	ND	200.0	ug/Kg	88%		28-160	9	35	1
Pyrene	174.2	ND	200.0	ug/Kg	87%		26-153	9	35	1
Benzo(a)anthracene	180.5	ND	200.0	ug/Kg	90%		26-174	6	35	1
Chrysene	180.0	ND	200.0	ug/Kg	90%		40-139	5	35	1
Benzo(b)fluoranthene	168.0	ND	200.0	ug/Kg	84%		36-164	6	35	1
Benzo(k)fluoranthene	168.3	ND	200.0	ug/Kg	84%		36-161	7	35	1
Benzo(a)pyrene	168.8	ND	200.0	ug/Kg	84%		18-173	5	35	1
Indeno(1,2,3-cd)pyrene	173.0	ND	200.0	ug/Kg	87%		26-154	3	35	1
Dibenz(a,h)anthracene	170.1	ND	200.0	ug/Kg	85%		38-132	5	35	1
Benzo(g,h,i)perylene	164.3	ND	200.0	ug/Kg	82%		36-130	2	35	1
Surrogates										
Nitrobenzene-d5	205.0		200.0	ug/Kg	103%		27-125			1
2-Fluorobiphenyl	185.7		200.0	ug/Kg	93%		30-120			1
Terphenyl-d14	184.3		200.0	ug/Kg	92%		33-155			1

\# CCV drift outside limits; average CCV drift within limits per method requirements
* Value is outside QC limits
J Estimated value
ND Not Detected

Laboratory Job Number 482858

Subcontracted Products

AmeriSci

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Project Manager
Enthalpy Analytical
Fax #:

From: Megan A DeLara
AmeriSci Job #: 923041049
Subject: PLM-Bulk-Qualitative 5 day Resul
Client Project: EO-482858

Email: incomingreports@enthalpy.com, patty.mata@enthalpy.com

Date: Friday, April 14, 2023
Time: 10:56:15
Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

Client Name: Enthalpy Analytical

Table I
Summary of Bulk Asbestos Analysis Results

EO-482858

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	Asbestos by PLM/DS	Asbestos by TEM
01	SB-22-1.0		----	----	----	----	Chrysotile Present	NA
Location: 482858-017							Amosite Present	
02	SB-15-1.0		----	----	----	----	NVA	NA
Location: 482858-023								
03	SB-02-6.0		----	----	----	----	NVA	NA
Location: 482858-040								

Analyzed by: Megan A DeLara 

Reviewed by: Patricia Weakley 

Date: 4/14/2023

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent Qualitative PLM (polarized light microscopy) or Qualitative TEM (transmission electron microscopy) Analysis for confirmation of asbestos presence and identification only, following selections of EPA 600/R-93/116 (method not covered by NVLAP asbestos accreditation); NA = not analyzed; this report relates ONLY to the items tested.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
AmeriSci
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Sample Control
PO #: Required, to be sent via email

Enthalpy Order: EO-482858
PM: Patty Mata
Email: patty.mata@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-6900

9230410 49

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SB-22-1.0	05-APR-2023 10:28	482858-017	1	Soil	Asbestos by PLM (P/A)	
SB-15-1.0	05-APR-2023 11:00	482858-023	1	Soil	Asbestos by PLM (P/A)	
SB-02-6.0	05-APR-2023 13:45	482858-040	1	Soil	Asbestos by PLM (P/A)	

Notes:	Relinquished By:	Received By:
	[signature]	Glenda Luzon Glenda Luzon
	Date: 4/6/23 1107	Date: 4.6.23 @ 11:10
	Date:	Date:
	Date:	Date:

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

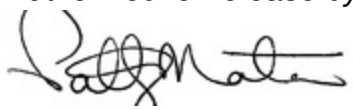
Lab Job Number: 484731
Report Level: II
Report Date: 05/19/2023

Analytical Report *prepared for:*

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - LAUSD-GARFIELD HS, S030.056.003

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #: Project No: Location: Dates Received:	484731 LAUSD SCHOOL LAUSD-GARFIELD HS, S030.056.003 04/04/23,04/05/23

Sample ID	Lab ID	Collected	Matrix
DUP-01	484731-001	04/04/23 13:33	Soil
DUP-02	484731-002	04/04/23 13:36	Soil
DUP-03	484731-003	04/05/23 11:34	Soil
DUP-04	484731-004	04/05/23 11:45	Soil
DUP-05	484731-005	04/04/23 09:33	Soil
DUP-06	484731-006	04/04/23 09:57	Soil
DUP-07	484731-007	04/04/23 10:07	Soil
DUP-08	484731-008	04/04/23 10:10	Soil
SB-14-5.0	484731-009	04/05/23 11:47	Soil

ENTHALPY ANALYTICAL

Case Narrative

Terraphase Engineering	Lab Job Number: 484731
18401 Von Karman Ave, Suite #410	Project No: LAUSD SCHOOL
Irvine, CA 92612	Location: LAUSD-GARFIELD HS, S030.056.003
Darren Croteau	Dates Received: 04/04/23, 04/05/23

This data package contains sample and QC results for nine soil samples, requested for the above referenced project on 05/08/23. The samples were received cold and intact. The EPA 8081-Pesticide tests and EPA 8082 PCB tests were requested outside of the 14-day extraction hold times. Results for additional tests are included in this report.

Pesticides (EPA 8081A):

- The samples were prepared outside of hold time; affected data was qualified with "H". The tests were requested past the 14-day hold time.
- DUP-06 (lab # 484731-006) was diluted due to the color of the sample extract.
- No other analytical problems were encountered.

PCBs (EPA 8082):

- High RPD was observed for Aroclor-1016 and Aroclor-1260 in the MS/MSD for batch 313955; the parent sample was not a project sample.
- 484731-005 was prepared outside of hold time; affected data was qualified with "H". The test was requested past the 14-day hold time.
- No other analytical problems were encountered.

Metals (EPA 6020) Soil:

- Low recoveries were observed for arsenic and lead in the MS of DUP-03 (lab # 484731-003); the LCS was within limits. High RPD was also observed for arsenic and lead in the MS/MSD of DUP-03 (lab # 484731-003).
- Lead was detected between the MDL and the RL in the method blank for batch 314165; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Metals (EPA 6010B) TCLP Leachate:
No analytical problems were encountered.

Metals (EPA 6010B) WET Leachate:
No analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 484731
Project No: LAUSD SCHOOL
Location: LAUSD-GARFIELD HS, S030.056.003
Dates Received: 04/04/23,04/05/23

Sample ID: DUP-01 **Lab ID: 484731-001** **Collected: 04/04/23 13:33**
Matrix: Soil

484731-001 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.5**		mg/Kg	0.98	0.27
Lead	**7.4**		mg/Kg	0.49	0.067

Sample ID: DUP-02 **Lab ID: 484731-002** **Collected: 04/04/23 13:36**
Matrix: Soil

484731-002 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.7**		mg/Kg	0.96	0.27
Lead	**6.3**		mg/Kg	0.48	0.066

Sample ID: DUP-03 **Lab ID: 484731-003** **Collected: 04/05/23 11:34**
Matrix: Soil

484731-003 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**3.3**		mg/Kg	0.97	0.20
Lead	**10**		mg/Kg	0.49	0.089
Method: EPA 8081A Prep Method: EPA 3546					
Chlordane (Technical)	**28**	H,J	ug/Kg	49	11

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: DUP-04 **Lab ID: 484731-004** **Collected: 04/05/23 11:45**

484731-004 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: EPA 3010A						
Lead	**0.14**	J	mg/L	0.15	0.024	TCLP Leachate
Method: EPA 6010B Prep Method: METHOD						
Lead	**0.75**		mg/L	0.15	0.024	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**6.3**		mg/Kg	0.95	0.26	Soil
Lead	**200**		mg/Kg	0.48	0.065	Soil
Method: EPA 8081A Prep Method: EPA 3546						
Dieldrin	**3.5**	H,J	ug/Kg	4.9	1.4	Soil
4,4'-DDE	**1.8**	C,H,J	ug/Kg	4.9	1.4	Soil
4,4'-DDT	**3.8**	H,J	ug/Kg	4.9	1.4	Soil
Chlordane (Technical)	**59**	H	ug/Kg	49	11	Soil

Sample ID: DUP-05 **Lab ID: 484731-005** **Collected: 04/04/23 09:33**
Matrix: Soil

484731-005 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**3.7**		mg/Kg	0.93	0.26
Lead	**61**		mg/Kg	0.46	0.063
Method: EPA 8081A Prep Method: EPA 3546					
Dieldrin	**5.0**	C,H,J	ug/Kg	5.0	1.4
4,4'-DDE	**18**	H	ug/Kg	5.0	1.4
4,4'-DDD	**16**	H	ug/Kg	5.0	1.1
Chlordane (Technical)	**200**	H	ug/Kg	50	11
Method: EPA 8082 Prep Method: EPA 3546					
Aroclor-1260	**84**	H	ug/Kg	50	24

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: DUP-06 **Lab ID: 484731-006** **Collected: 04/04/23 09:57**
Matrix: Soil

484731-006 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**4.8**		mg/Kg	0.96	0.27
Lead	**9.5**		mg/Kg	0.48	0.066
Method: EPA 8081A Prep Method: EPA 3546					
Chlordane (Technical)	**28**	H,J	ug/Kg	99	22

Sample ID: DUP-07 **Lab ID: 484731-007** **Collected: 04/04/23 10:07**

484731-007 Analyte	Result	Qual	Units	RL	MDL	Matrix
Method: EPA 6010B Prep Method: METHOD						
Lead	**0.097**	J	mg/L	0.15	0.024	WET Leachate
Method: EPA 6020 Prep Method: EPA 3050B						
Arsenic	**5.1**		mg/Kg	1.0	0.28	Soil
Lead	**66**		mg/Kg	0.50	0.068	Soil
Method: EPA 8081A Prep Method: EPA 3546						
Dieldrin	**3.6**	H,J	ug/Kg	5.0	1.4	Soil
4,4'-DDE	**7.8**	H	ug/Kg	5.0	1.4	Soil
4,4'-DDT	**13**	C,H	ug/Kg	5.0	1.4	Soil
Chlordane (Technical)	**170**	H	ug/Kg	50	11	Soil

Sample ID: DUP-08 **Lab ID: 484731-008** **Collected: 04/04/23 10:10**
Matrix: Soil

484731-008 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Arsenic	**5.4**		mg/Kg	0.99	0.27
Lead	**100**		mg/Kg	0.50	0.068
Method: EPA 8081A Prep Method: EPA 3546					
4,4'-DDE	**4.3**	H,J	ug/Kg	5.0	1.4
Chlordane (Technical)	**63**	H	ug/Kg	50	11

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Detection Summary

Sample ID: SB-14-5.0	Lab ID: 484731-009	Collected: 04/05/23 11:47
	Matrix: Soil	

484731-009 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6020 Prep Method: EPA 3050B					
Lead	**53**		mg/Kg	0.49	0.066

C Presence confirmed, but RPD between columns exceeds 40%
H Holding time was exceeded
J Estimated value

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

[EXTERNAL] Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Thu, May 4, 2023 at 4:58 PM
To: Patty Mata <patty.mata@enthalpy.com>

Hello Patty,

If there is sample volume left, can we run the following additional tests for our Garfield High School project:

Original Sample ID	Enthalpy ID	New Sample ID	Arsenic (6020)	Lead (6020)	OCPs (8081)	PCBs (8082)
SB-08-1.0	482773-007	DUP-01	X	X	X	
SB-08-3.0	482773-008	DUP-02	X	X	X	
SB-14-1.0	482858-028	DUP-03	X	X	X	
SB-14-3.0	482858-029	DUP-04	X	X	X	
SB-21-1.0	482773-034	DUP-05	X	X	X	X
SB-21-3.0	482773-035	DUP-06	X	X	X	
SB-34-1.0	482773-061	DUP-07	X	X	X	
SB-34-3.0	482773-062	DUP-08	X	X	X	

I understand that the OCPs at least are out of hold times but if we can we'd like to still run them. Let me know what else may be out of hold time and if this can be completed.

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

RE: [EXTERNAL] RE: LAUSD Garfield HS prelim results - Enthalpy Data (484731)

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Tue, May 16, 2023 at 9:56 AM
To: Patty Mata <patty.mata@enthalpy.com>

Thanks Patty,

Do you know how quickly we can expect to receive the results? Is it possible to run the results on an expedited turnaround to receive the data by the end of the week?

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

jonathan.marshak@terraphase.com

From: Patty Mata <patty.mata@enthalpy.com>
Sent: Tuesday, May 16, 2023 9:54 AM
To: Jonathan Marshak <jonathan.marshak@terraphase.com>
Subject: Re: [EXTERNAL] RE: LAUSD Garfield HS prelim results - Enthalpy Data (484731)

Hi Jon,

I just saw this email below so I will update the changes.

Thank you,

Patty

On Tue, May 16, 2023 at 9:46 AM Jonathan Marshak <jonathan.marshak@terraphase.com> wrote:

> Hello Patty,

Please disregard the previous email. We would like to only run DUP-04 and DUP-07 for lead STLC and TCLP, and SB-14-5.0 (sample 482858-030) for lead.

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

jonathan.marshak@terraphase.com

From: Jonathan Marshak
Sent: Tuesday, May 16, 2023 9:26 AM
To: patty.mata@enthalpy.com
Subject: RE: LAUSD Garfield HS prelim results - Enthalpy Data (484731)

Hello Patty,

Can we please run DUP-04, DUP-05, DUP-07 & DUP-08 for STLC, and DUP-04 & DUP-08 TLCP Lead.

Can we also please run sand SB-14-5.0 (sample 482858-030) for lead?

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

jonathan.marshak@terraphase.com

ENTHALPY ANALYTICAL

Analysis Results for 484731

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 484731
Project No: LAUSD SCHOOL
Location: LAUSD-GARFIELD HS, S030.056.003
Dates Received: 04/04/23,04/05/23

Sample ID: DUP-01 **Lab ID: 484731-001** **Collected: 04/04/23 13:33**
Matrix: Soil

484731-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.5**		mg/Kg	0.98	0.27	0.98	313862	05/12/23	05/15/23	JCP
Lead	**7.4**		mg/Kg	0.49	0.067	0.98	313862	05/12/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND	H	ug/Kg	4.9	1.2	0.98	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	4.9	1.7	0.98	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	4.9	1.0	0.98	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	4.9	1.3	0.98	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	4.9	1.5	0.98	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	4.9	1.3	0.98	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	4.9	1.8	0.98	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
Dieldrin	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDE	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	4.9	1.5	0.98	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	4.9	1.5	0.98	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	4.9	1.6	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	4.9	1.1	0.98	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	4.9	1.7	0.98	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDT	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	9.8	5.0	0.98	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	98	15	0.98	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	ND	H	ug/Kg	49	11	0.98	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**						
TCMX	89%	H	%REC	23-120		0.98	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	88%	H	%REC	24-120		0.98	313806	05/12/23	05/12/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484731

Sample ID: DUP-02	Lab ID: 484731-002	Collected: 04/04/23 13:36
	Matrix: Soil	

484731-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.7**		mg/Kg	0.96	0.27	0.96	313862	05/12/23	05/15/23	JCP
Lead	**6.3**		mg/Kg	0.48	0.066	0.96	313862	05/12/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND	H	ug/Kg	4.9	1.2	0.98	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	4.9	1.6	0.98	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	4.9	1.0	0.98	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	4.9	1.3	0.98	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	4.9	1.5	0.98	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	4.9	1.3	0.98	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	4.9	1.8	0.98	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
Dieldrin	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDE	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	4.9	1.5	0.98	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	4.9	1.5	0.98	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	4.9	1.6	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	4.9	1.1	0.98	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	4.9	1.7	0.98	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDT	ND	H	ug/Kg	4.9	1.4	0.98	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	9.8	5.0	0.98	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	98	14	0.98	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	ND	H	ug/Kg	49	11	0.98	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**						
TCMX	83%	H	%REC	23-120		0.98	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	79%	H	%REC	24-120		0.98	313806	05/12/23	05/12/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484731

Sample ID: DUP-03	Lab ID: 484731-003	Collected: 04/05/23 11:34
	Matrix: Soil	

484731-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**3.3**		mg/Kg	0.97	0.20	0.97	313977	05/15/23	05/15/23	JCP
Lead	**10**		mg/Kg	0.49	0.089	0.97	313977	05/15/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND	H	ug/Kg	4.9	1.2	0.99	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	4.9	1.7	0.99	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	4.9	1.0	0.99	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	4.9	1.3	0.99	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	4.9	1.5	0.99	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	4.9	1.3	0.99	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	4.9	1.8	0.99	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	4.9	1.4	0.99	313806	05/12/23	05/12/23	MES
Dieldrin	ND	H	ug/Kg	4.9	1.4	0.99	313806	05/12/23	05/12/23	MES
4,4'-DDE	ND	H	ug/Kg	4.9	1.4	0.99	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	4.9	1.5	0.99	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	4.9	1.5	0.99	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	4.9	1.6	0.99	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	4.9	1.1	0.99	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	4.9	1.7	0.99	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	4.9	1.4	0.99	313806	05/12/23	05/12/23	MES
4,4'-DDT	ND	H	ug/Kg	4.9	1.4	0.99	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	9.9	5.0	0.99	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	99	15	0.99	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	**28**	H,J	ug/Kg	49	11	0.99	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**						
TCMX	89%	H	%REC	23-120		0.99	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	85%	H	%REC	24-120		0.99	313806	05/12/23	05/12/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 484731

Sample ID: DUP-04	Lab ID: 484731-004	Collected: 04/05/23 11:45

484731-004 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A											
Lead	**0.14**	J	mg/L	0.15	0.024	TCLP Leachate	10	314102	05/17/23	05/18/23	SBW
Method: EPA 6010B Prep Method: METHOD											
Lead	**0.75**		mg/L	0.15	0.024	WET Leachate	10	314084	05/18/23	05/18/23	THP
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**6.3**		mg/Kg	0.95	0.26	Soil	0.95	313977	05/15/23	05/15/23	JCP
Lead	**200**		mg/Kg	0.48	0.065	Soil	0.95	313977	05/15/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND	H	ug/Kg	4.9	1.2	Soil	0.98	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	4.9	1.6	Soil	0.98	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	4.9	1.0	Soil	0.98	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	4.9	1.3	Soil	0.98	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	4.9	1.5	Soil	0.98	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	4.9	1.3	Soil	0.98	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	4.9	1.8	Soil	0.98	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	4.9	1.4	Soil	0.98	313806	05/12/23	05/12/23	MES
Dieldrin	**3.5**	H,J	ug/Kg	4.9	1.4	Soil	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDE	**1.8**	C,H,J	ug/Kg	4.9	1.4	Soil	0.98	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	4.9	1.5	Soil	0.98	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	4.9	1.5	Soil	0.98	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	4.9	1.6	Soil	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	4.9	1.1	Soil	0.98	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	4.9	1.7	Soil	0.98	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	4.9	1.4	Soil	0.98	313806	05/12/23	05/12/23	MES
4,4'-DDT	**3.8**	H,J	ug/Kg	4.9	1.4	Soil	0.98	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	9.8	5.0	Soil	0.98	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	98	14	Soil	0.98	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	**59**	H	ug/Kg	49	11	Soil	0.98	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**							
TCMX	78%	H	%REC	23-120		Soil	0.98	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	74%	H	%REC	24-120		Soil	0.98	313806	05/12/23	05/12/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 484731

Sample ID: DUP-05	Lab ID: 484731-005	Collected: 04/04/23 09:33
	Matrix: Soil	

484731-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**3.7**		mg/Kg	0.93	0.26	0.93	313862	05/12/23	05/15/23	JCP
Lead	**61**		mg/Kg	0.46	0.063	0.93	313862	05/12/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND	H	ug/Kg	5.0	1.2	0.99	313806	05/12/23	05/12/23	TRN
beta-BHC	ND	H	ug/Kg	5.0	1.7	0.99	313806	05/12/23	05/12/23	TRN
gamma-BHC	ND	H	ug/Kg	5.0	1.0	0.99	313806	05/12/23	05/12/23	TRN
delta-BHC	ND	H	ug/Kg	5.0	1.3	0.99	313806	05/12/23	05/12/23	TRN
Heptachlor	ND	H	ug/Kg	5.0	1.5	0.99	313806	05/12/23	05/12/23	TRN
Aldrin	ND	H	ug/Kg	5.0	1.3	0.99	313806	05/12/23	05/12/23	TRN
Heptachlor epoxide	ND	H	ug/Kg	5.0	1.8	0.99	313806	05/12/23	05/12/23	TRN
Endosulfan I	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	TRN
Dieldrin	**5.0**	C,H,J	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	TRN
4,4'-DDE	**18**	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	TRN
Endrin	ND	H	ug/Kg	5.0	1.6	0.99	313806	05/12/23	05/12/23	TRN
Endosulfan II	ND	H	ug/Kg	5.0	1.6	0.99	313806	05/12/23	05/12/23	TRN
Endosulfan sulfate	ND	H	ug/Kg	5.0	1.6	0.99	313806	05/12/23	05/12/23	TRN
4,4'-DDD	**16**	H	ug/Kg	5.0	1.1	0.99	313806	05/12/23	05/12/23	TRN
Endrin aldehyde	ND	H	ug/Kg	5.0	1.7	0.99	313806	05/12/23	05/12/23	TRN
Endrin ketone	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	TRN
4,4'-DDT	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	TRN
Methoxychlor	ND	H	ug/Kg	9.9	5.0	0.99	313806	05/12/23	05/12/23	TRN
Toxaphene	ND	H	ug/Kg	99	15	0.99	313806	05/12/23	05/12/23	TRN
Chlordane (Technical)	**200**	H	ug/Kg	50	11	0.99	313806	05/12/23	05/12/23	TRN
Surrogates				**Limits**						
TCMX	81%	H	%REC	23-120		0.99	313806	05/12/23	05/12/23	TRN
Decachlorobiphenyl	73%	H	%REC	24-120		0.99	313806	05/12/23	05/12/23	TRN
Method: EPA 8082 Prep Method: EPA 3546										
Aroclor-1016	ND	H	ug/Kg	50	14	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1221	ND	H	ug/Kg	50	23	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1232	ND	H	ug/Kg	50	18	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1242	ND	H	ug/Kg	50	18	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1248	ND	H	ug/Kg	50	21	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1254	ND	H	ug/Kg	50	6.5	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1260	**84**	H	ug/Kg	50	24	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1262	ND	H	ug/Kg	50	16	0.99	313955	05/15/23	05/16/23	TJW
Aroclor-1268	ND	H	ug/Kg	50	13	0.99	313955	05/15/23	05/16/23	TJW
Surrogates				**Limits**						
Decachlorobiphenyl (PCB)	71%	H	%REC	19-121		0.99	313955	05/15/23	05/16/23	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 484731

Sample ID: DUP-06	Lab ID: 484731-006	Collected: 04/04/23 09:57
	Matrix: Soil	

484731-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**4.8**		mg/Kg	0.96	0.27	0.96	313862	05/12/23	05/15/23	JCP
Lead	**9.5**		mg/Kg	0.48	0.066	0.96	313862	05/12/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND	H	ug/Kg	9.9	2.4	2	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	9.9	3.3	2	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	9.9	2.1	2	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	9.9	2.7	2	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	9.9	3.0	2	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	9.9	2.7	2	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	9.9	3.6	2	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	9.9	2.8	2	313806	05/12/23	05/12/23	MES
Dieldrin	ND	H	ug/Kg	9.9	2.8	2	313806	05/12/23	05/12/23	MES
4,4'-DDE	ND	H	ug/Kg	9.9	2.8	2	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	9.9	3.1	2	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	9.9	3.1	2	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	9.9	3.2	2	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	9.9	2.2	2	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	9.9	3.3	2	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	9.9	2.7	2	313806	05/12/23	05/12/23	MES
4,4'-DDT	ND	H	ug/Kg	9.9	2.8	2	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	20	10	2	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	200	29	2	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	**28**	H,J	ug/Kg	99	22	2	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**						
TCMX	83%	H	%REC	23-120		2	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	75%	H	%REC	24-120		2	313806	05/12/23	05/12/23	MES

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 484731

Sample ID: DUP-07	Lab ID: 484731-007	Collected: 04/04/23 10:07

484731-007 Analyte	Result	Qual	Units	RL	MDL	Matrix	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3010A											
Lead	ND		mg/L	0.15	0.036	TCLP Leachate	10	314102	05/17/23	05/17/23	SBW
Method: EPA 6010B Prep Method: METHOD											
Lead	**0.097**	J	mg/L	0.15	0.024	WET Leachate	10	314084	05/18/23	05/18/23	THP
Method: EPA 6020 Prep Method: EPA 3050B											
Arsenic	**5.1**		mg/Kg	1.0	0.28	Soil	1	313862	05/12/23	05/15/23	JCP
Lead	**66**		mg/Kg	0.50	0.068	Soil	1	313862	05/12/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546											
alpha-BHC	ND	H	ug/Kg	5.0	1.2	Soil	1	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	5.0	1.7	Soil	1	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	5.0	1.0	Soil	1	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	5.0	1.4	Soil	1	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	5.0	1.5	Soil	1	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	5.0	1.3	Soil	1	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	5.0	1.8	Soil	1	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	5.0	1.4	Soil	1	313806	05/12/23	05/12/23	MES
Dieldrin	**3.6**	H,J	ug/Kg	5.0	1.4	Soil	1	313806	05/12/23	05/12/23	MES
4,4'-DDE	**7.8**	H	ug/Kg	5.0	1.4	Soil	1	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	5.0	1.6	Soil	1	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	5.0	1.6	Soil	1	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	5.0	1.6	Soil	1	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	5.0	1.1	Soil	1	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	5.0	1.7	Soil	1	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	5.0	1.4	Soil	1	313806	05/12/23	05/12/23	MES
4,4'-DDT	**13**	C,H	ug/Kg	5.0	1.4	Soil	1	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	10	5.1	Soil	1	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	100	15	Soil	1	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	**170**	H	ug/Kg	50	11	Soil	1	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**							
TCMX	90%	H	%REC	23-120		Soil	1	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	84%	H	%REC	24-120		Soil	1	313806	05/12/23	05/12/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 484731

Sample ID: DUP-08	Lab ID: 484731-008	Collected: 04/04/23 10:10
	Matrix: Soil	

484731-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Arsenic	**5.4**		mg/Kg	0.99	0.27	0.99	313862	05/12/23	05/15/23	JCP
Lead	**100**		mg/Kg	0.50	0.068	0.99	313862	05/12/23	05/15/23	JCP
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND	H	ug/Kg	5.0	1.2	0.99	313806	05/12/23	05/12/23	MES
beta-BHC	ND	H	ug/Kg	5.0	1.7	0.99	313806	05/12/23	05/12/23	MES
gamma-BHC	ND	H	ug/Kg	5.0	1.0	0.99	313806	05/12/23	05/12/23	MES
delta-BHC	ND	H	ug/Kg	5.0	1.3	0.99	313806	05/12/23	05/12/23	MES
Heptachlor	ND	H	ug/Kg	5.0	1.5	0.99	313806	05/12/23	05/12/23	MES
Aldrin	ND	H	ug/Kg	5.0	1.3	0.99	313806	05/12/23	05/12/23	MES
Heptachlor epoxide	ND	H	ug/Kg	5.0	1.8	0.99	313806	05/12/23	05/12/23	MES
Endosulfan I	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	MES
Dieldrin	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	MES
4,4'-DDE	**4.3**	H,J	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	MES
Endrin	ND	H	ug/Kg	5.0	1.6	0.99	313806	05/12/23	05/12/23	MES
Endosulfan II	ND	H	ug/Kg	5.0	1.6	0.99	313806	05/12/23	05/12/23	MES
Endosulfan sulfate	ND	H	ug/Kg	5.0	1.6	0.99	313806	05/12/23	05/12/23	MES
4,4'-DDD	ND	H	ug/Kg	5.0	1.1	0.99	313806	05/12/23	05/12/23	MES
Endrin aldehyde	ND	H	ug/Kg	5.0	1.7	0.99	313806	05/12/23	05/12/23	MES
Endrin ketone	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	MES
4,4'-DDT	ND	H	ug/Kg	5.0	1.4	0.99	313806	05/12/23	05/12/23	MES
Methoxychlor	ND	H	ug/Kg	9.9	5.0	0.99	313806	05/12/23	05/12/23	MES
Toxaphene	ND	H	ug/Kg	99	15	0.99	313806	05/12/23	05/12/23	MES
Chlordane (Technical)	**63**	H	ug/Kg	50	11	0.99	313806	05/12/23	05/12/23	MES
Surrogates				**Limits**						
TCMX	85%	H	%REC	23-120		0.99	313806	05/12/23	05/12/23	MES
Decachlorobiphenyl	79%	H	%REC	24-120		0.99	313806	05/12/23	05/12/23	MES

Sample ID: SB-14-5.0	Lab ID: 484731-009	Collected: 04/05/23 11:47
	Matrix: Soil	

484731-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6020 Prep Method: EPA 3050B										
Lead	**53**		mg/Kg	0.49	0.066	0.97	314165	05/17/23	05/17/23	JCP

C Presence confirmed, but RPD between columns exceeds 40%
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1066530	Batch: 314102
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1066530 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.15	0.036	05/17/23	05/17/23

Type: Lab Control Sample	Lab ID: QC1066531	Batch: 314102
Matrix: TCLP Leachate	Method: EPA 6010B	Prep Method: EPA 3010A

QC1066531 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	20.08	20.00	mg/L	100%		80-120

Type: Matrix Spike	Lab ID: QC1066532	Batch: 314102
Matrix (Source ID): TCLP Leachate (485165-001)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1066532 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	20.46	0.3479	20.00	mg/L	101%		75-125	10

Type: Matrix Spike Duplicate	Lab ID: QC1066533	Batch: 314102
Matrix (Source ID): TCLP Leachate (485165-001)	Method: EPA 6010B	Prep Method: EPA 3010A

QC1066533 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	20.64	0.3479	20.00	mg/L	101%		75-125	1	20	10

Type: Blank	Lab ID: QC1066292	Batch: 314084
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1066292 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	ND		mg/L	0.15	0.036	05/18/23	05/18/23

Type: Lab Control Sample	Lab ID: QC1066293	Batch: 314084
Matrix: WET Leachate	Method: EPA 6010B	Prep Method: METHOD

QC1066293 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	4.325	4.000	mg/L	108%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	**Lab ID:** QC1066294	**Batch:** 314084
Matrix: WET Leachate	**Method:** EPA 6010B	**Prep Method:** METHOD

QC1066294 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Lead	4.421	4.000	mg/L	111%		80-120	2	20

Type: Blank	**Lab ID:** QC1065521	**Batch:** 313862
Matrix: Soil	**Method:** EPA 6020	**Prep Method:** EPA 3050B

QC1065521 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.28	05/12/23	05/15/23
Lead	ND		mg/Kg	0.50	0.068	05/12/23	05/15/23

Type: Lab Control Sample	**Lab ID:** QC1065522	**Batch:** 313862
Matrix: Soil	**Method:** EPA 6020	**Prep Method:** EPA 3050B

QC1065522 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	105.2	100.0	mg/Kg	105%		80-120
Lead	107.5	100.0	mg/Kg	107%		80-120

Type: Matrix Spike	**Lab ID:** QC1065523	**Batch:** 313862
Matrix (Source ID): Soil (484731-001)	**Method:** EPA 6020	**Prep Method:** EPA 3050B

QC1065523 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	101.4	5.455	102.0	mg/Kg	94%		75-125	1
Lead	111.2	7.352	102.0	mg/Kg	102%		75-125	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1065524	**Batch:** 313862
Matrix (Source ID): Soil (484731-001)	**Method:** EPA 6020	**Prep Method:** EPA 3050B

QC1065524 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	104.7	5.455	101.0	mg/Kg	98%		75-125	4	20	1
Lead	115.2	7.352	101.0	mg/Kg	107%		75-125	4	20	1

Type: Blank	**Lab ID:** QC1065930	**Batch:** 313977
Matrix: Soil	**Method:** EPA 6020	**Prep Method:** EPA 3050B

QC1065930 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Arsenic	ND		mg/Kg	1.0	0.21	05/15/23	05/15/23
Lead	ND		mg/Kg	0.50	0.091	05/15/23	05/15/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1065931	Batch: 313977
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1065931 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Arsenic	93.26	100.0	mg/Kg	93%		80-120
Lead	92.34	100.0	mg/Kg	92%		80-120

Type: Matrix Spike	Lab ID: QC1065932	Batch: 313977
Matrix (Source ID): Soil (484731-003)	Method: EPA 6020	Prep Method: EPA 3050B

QC1065932 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Arsenic	67.58	3.292	96.15	mg/Kg	67%	*	75-125	0.96
Lead	73.26	10.32	96.15	mg/Kg	65%	*	75-125	0.96

Type: Matrix Spike Duplicate	Lab ID: QC1065933	Batch: 313977
Matrix (Source ID): Soil (484731-003)	Method: EPA 6020	Prep Method: EPA 3050B

QC1065933 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Arsenic	109.4	3.292	98.04	mg/Kg	108%		75-125	45*	20	0.98
Lead	116.9	10.32	98.04	mg/Kg	109%		75-125	44*	20	0.98

Type: Blank	Lab ID: QC1066558	Batch: 314165
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1066558 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Lead	0.073	J	mg/Kg	0.50	0.068	05/17/23	05/17/23

Type: Lab Control Sample	Lab ID: QC1066559	Batch: 314165
Matrix: Soil	Method: EPA 6020	Prep Method: EPA 3050B

QC1066559 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Lead	103.5	100.0	mg/Kg	103%		80-120

Type: Matrix Spike	Lab ID: QC1066560	Batch: 314165
Matrix (Source ID): Soil (484731-009)	Method: EPA 6020	Prep Method: EPA 3050B

QC1066560 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Lead	162.4	53.36	97.09	mg/Kg	112%		75-125	0.97

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1066561**	**Batch:**	**314165**
Matrix (Source ID):	**Soil (484731-009)**	**Method:**	**EPA 6020**	**Prep Method:**	**EPA 3050B**

QC1066561 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Lead	138.1	53.36	96.15	mg/Kg	88%		75-125	16	20	0.96

Type:	**Blank**	**Lab ID:**	**QC1065355**	**Batch:**	**313806**
Matrix:	**Soil**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1065355 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	1.2	05/12/23	05/12/23
beta-BHC	ND		ug/Kg	5.0	1.7	05/12/23	05/12/23
gamma-BHC	ND		ug/Kg	5.0	1.0	05/12/23	05/12/23
delta-BHC	ND		ug/Kg	5.0	1.3	05/12/23	05/12/23
Heptachlor	ND		ug/Kg	5.0	1.5	05/12/23	05/12/23
Aldrin	ND		ug/Kg	5.0	1.3	05/12/23	05/12/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	05/12/23	05/12/23
Endosulfan I	ND		ug/Kg	5.0	1.4	05/12/23	05/12/23
Dieldrin	ND		ug/Kg	5.0	1.4	05/12/23	05/12/23
4,4'-DDE	ND		ug/Kg	5.0	1.4	05/12/23	05/12/23
Endrin	ND		ug/Kg	5.0	1.6	05/12/23	05/12/23
Endosulfan II	ND		ug/Kg	5.0	1.6	05/12/23	05/12/23
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	05/12/23	05/12/23
4,4'-DDD	ND		ug/Kg	5.0	1.1	05/12/23	05/12/23
Endrin aldehyde	ND		ug/Kg	5.0	1.7	05/12/23	05/12/23
Endrin ketone	ND		ug/Kg	5.0	1.4	05/12/23	05/12/23
4,4'-DDT	ND		ug/Kg	5.0	1.4	05/12/23	05/12/23
Methoxychlor	ND		ug/Kg	10	5.0	05/12/23	05/12/23
Toxaphene	ND		ug/Kg	100	15	05/12/23	05/12/23
Chlordane (Technical)	ND		ug/Kg	50	11	05/12/23	05/12/23
Surrogates				**Limits**			
TCMX	84%		%REC	23-120		05/12/23	05/12/23
Decachlorobiphenyl	83%		%REC	24-120		05/12/23	05/12/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1065356**	**Batch: 313806**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1065356 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	47.30	49.16	ug/Kg	96%		22-129
beta-BHC	45.05	49.16	ug/Kg	92%		28-125
gamma-BHC	47.16	49.16	ug/Kg	96%		22-128
delta-BHC	46.30	49.16	ug/Kg	94%		24-131
Heptachlor	47.74	49.16	ug/Kg	97%		18-124
Aldrin	40.86	49.16	ug/Kg	83%		23-120
Heptachlor epoxide	45.19	49.16	ug/Kg	92%		26-120
Endosulfan I	48.95	49.16	ug/Kg	100%		25-126
Dieldrin	47.31	49.16	ug/Kg	96%		23-124
4,4'-DDE	47.94	49.16	ug/Kg	98%		28-121
Endrin	48.05	49.16	ug/Kg	98%		25-127
Endosulfan II	47.65	49.16	ug/Kg	97%		29-121
Endosulfan sulfate	44.82	49.16	ug/Kg	91%		30-121
4,4'-DDD	50.05	49.16	ug/Kg	102%		26-120
Endrin aldehyde	29.98	49.16	ug/Kg	61%		10-120
Endrin ketone	44.68	49.16	ug/Kg	91%		28-125
4,4'-DDT	47.36	49.16	ug/Kg	96%		22-125
Methoxychlor	48.37	49.16	ug/Kg	98%		28-130
Surrogates						
TCMX	42.90	49.16	ug/Kg	87%		23-120
Decachlorobiphenyl	40.71	49.16	ug/Kg	83%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1065357	Batch:	313806
Matrix (Source ID):	Soil (484731-005)	Method:	EPA 8081A	Prep Method:	EPA 3546

QC1065357 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	46.70	ND	49.31	ug/Kg	95%		46-120	0.99
beta-BHC	44.07	ND	49.31	ug/Kg	89%		41-120	0.99
gamma-BHC	46.51	ND	49.31	ug/Kg	94%		41-120	0.99
delta-BHC	46.06	ND	49.31	ug/Kg	93%		38-123	0.99
Heptachlor	46.07	ND	49.31	ug/Kg	93%		39-120	0.99
Aldrin	41.56	ND	49.31	ug/Kg	84%		34-120	0.99
Heptachlor epoxide	47.60	ND	49.31	ug/Kg	97%		43-120	0.99
Endosulfan I	46.39	ND	49.31	ug/Kg	94%		45-120	0.99
Dieldrin	54.04	4.959	49.31	ug/Kg	100%		45-120	0.99
4,4'-DDE	66.66	18.36	49.31	ug/Kg	98%		34-120	0.99
Endrin	47.83	ND	49.31	ug/Kg	97%		40-120	0.99
Endosulfan II	48.63	ND	49.31	ug/Kg	99%		41-120	0.99
Endosulfan sulfate	44.92	ND	49.31	ug/Kg	91%		42-120	0.99
4,4'-DDD	67.25	16.15	49.31	ug/Kg	104%		41-120	0.99
Endrin aldehyde	41.09	ND	49.31	ug/Kg	83%		30-120	0.99
Endrin ketone	44.25	ND	49.31	ug/Kg	90%		45-120	0.99
4,4'-DDT	61.93	ND	49.31	ug/Kg	126%		35-127	0.99
Methoxychlor	51.40	ND	49.31	ug/Kg	104%		42-136	0.99
Surrogates								
TCMX	42.16		49.31	ug/Kg	86%		23-120	0.99
Decachlorobiphenyl	41.04		49.31	ug/Kg	83%		24-120	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1065358**	**Batch:**	**313806**
Matrix (Source ID):	**Soil (484731-005)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1065358 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	48.04	ND	49.02	ug/Kg	98%		46-120	3	30	0.98
beta-BHC	44.32	ND	49.02	ug/Kg	90%		41-120	1	30	0.98
gamma-BHC	47.60	ND	49.02	ug/Kg	97%		41-120	3	30	0.98
delta-BHC	46.55	ND	49.02	ug/Kg	95%		38-123	2	30	0.98
Heptachlor	47.26	ND	49.02	ug/Kg	96%		39-120	3	30	0.98
Aldrin	42.80	ND	49.02	ug/Kg	87%		34-120	4	30	0.98
Heptachlor epoxide	47.88	ND	49.02	ug/Kg	98%		43-120	1	30	0.98
Endosulfan I	46.95	ND	49.02	ug/Kg	96%		45-120	2	30	0.98
Dieldrin	52.23	4.959	49.02	ug/Kg	96%		45-120	3	30	0.98
4,4'-DDE	63.55	18.36	49.02	ug/Kg	92%		34-120	4	30	0.98
Endrin	48.32	ND	49.02	ug/Kg	99%		40-120	2	30	0.98
Endosulfan II	49.30	ND	49.02	ug/Kg	101%		41-120	2	30	0.98
Endosulfan sulfate	43.54	ND	49.02	ug/Kg	89%		42-120	3	30	0.98
4,4'-DDD	63.02	16.15	49.02	ug/Kg	96%		41-120	6	30	0.98
Endrin aldehyde	38.99	ND	49.02	ug/Kg	80%		30-120	5	30	0.98
Endrin ketone	42.25	ND	49.02	ug/Kg	86%		45-120	4	30	0.98
4,4'-DDT	60.79	ND	49.02	ug/Kg	124%		35-127	1	30	0.98
Methoxychlor	51.35	ND	49.02	ug/Kg	105%		42-136	1	30	0.98
Surrogates										
TCMX	43.22		49.02	ug/Kg	88%		23-120			0.98
Decachlorobiphenyl	39.22		49.02	ug/Kg	80%		24-120			0.98

Type:	**Blank**	**Lab ID:**	**QC1065848**	**Batch:**	**313955**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC1065848 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	49	13	05/15/23	05/15/23
Aroclor-1221	ND		ug/Kg	49	11	05/15/23	05/15/23
Aroclor-1232	ND		ug/Kg	49	11	05/15/23	05/15/23
Aroclor-1242	ND		ug/Kg	49	16	05/15/23	05/15/23
Aroclor-1248	ND		ug/Kg	49	17	05/15/23	05/15/23
Aroclor-1254	ND		ug/Kg	49	15	05/15/23	05/15/23
Aroclor-1260	ND		ug/Kg	49	23	05/15/23	05/15/23
Aroclor-1262	ND		ug/Kg	49	13	05/15/23	05/15/23
Aroclor-1268	ND		ug/Kg	49	14	05/15/23	05/15/23
Surrogates				**Limits**			
Decachlorobiphenyl (PCB)	81%		%REC	19-121		05/15/23	05/15/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1065907	Batch: 313955
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3546

QC1065907 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	456.7	496.5	ug/Kg	92%		14-150
Aroclor-1260	527.8	496.5	ug/Kg	106%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	54.76	49.65	ug/Kg	110%		19-121

Type: Matrix Spike	Lab ID: QC1065908	Batch: 313955
Matrix (Source ID): Soil (484923-037)	Method: EPA 8082	Prep Method: EPA 3546

QC1065908 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	405.3	ND	494.6	ug/Kg	82%		42-127	2
Aroclor-1260	447.0	ND	494.6	ug/Kg	90%		38-130	2
Surrogates								
Decachlorobiphenyl (PCB)	49.31		49.46	ug/Kg	100%		19-121	2

Type: Matrix Spike Duplicate	Lab ID: QC1065909	Batch: 313955
Matrix (Source ID): Soil (484923-037)	Method: EPA 8082	Prep Method: EPA 3546

QC1065909 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	295.8	ND	496.5	ug/Kg	60%		42-127	32*	30	2
Aroclor-1260	313.6	ND	496.5	ug/Kg	63%		38-130	35*	30	2
Surrogates										
Decachlorobiphenyl (PCB)	33.46		49.65	ug/Kg	67%		19-121			2

* Value is outside QC limits
J Estimated value
ND Not Detected

Enthalpy Analytical
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enthalpy.com

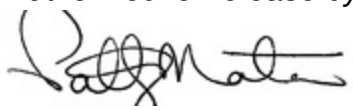
Lab Job Number: 482859
Report Level: II
Report Date: 04/25/2023

Analytical Report *prepared for:*

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Project: LAUSD SCHOOL - LAUSD-Garfield HS, S030.056.003

Authorized for release by:



Patty Mata, Project Manager
patty.mata@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Darren Croteau Terraphase Engineering 18401 Von Karman Ave, Suite #410 Irvine, CA 92612	Lab Job #: Project No: Location: Date Received:	482859 LAUSD SCHOOL LAUSD-Garfield HS, S030.056.003 04/05/23

Sample ID	Lab ID	Collected	Matrix
IDW-230405	482859-001	04/05/23 15:15	Soil

Case Narrative

Terraphase Engineering	Lab Job Number: 482859
18401 Von Karman Ave, Suite #410	Project No: LAUSD SCHOOL
Irvine, CA 92612	Location: LAUSD-Garfield HS, S030.056.003
Darren Croteau	Date Received: 04/05/23

This data package contains sample and QC results for one soil sample, requested for the above referenced project on 04/05/23. The sample was received cold and intact. Sample was originally received on hold but had tests requested per client's 4/18/23 email.

Pesticides (EPA 8081A):

- IDW-230405 (lab # 482859-001) was diluted due to the color of the sample extract. Extract color and/or viscosity are used as indicators of possible matrix interference. Elevated reporting limits were due to the necessary dilution.
- No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for antimony in the MS/MSD of IDW-230405 (lab # 482859-001); the LCS was within limits, and the associated RPD was within limits. High recovery was observed for barium in the MS of IDW-230405 (lab # 482859-001); the LCS was within limits, and the associated RPD was within limits.
- Lead and zinc were detected between the MDL and the RL in the method blank for batch 312015; these analytes were detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Detection Summary

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 482859
Project No: LAUSD SCHOOL
Location: LAUSD-Garfield HS, S030.056.003
Date Received: 04/05/23

Sample ID: IDW-230405 **Lab ID: 482859-001** **Collected: 04/05/23 15:15**
Matrix: Soil

482859-001 Analyte	Result	Qual	Units	RL	MDL
Method: EPA 6010B Prep Method: EPA 3050B					
Arsenic	**5.8**		mg/Kg	0.96	0.45
Barium	**130**		mg/Kg	0.96	0.11
Beryllium	**0.49**		mg/Kg	0.48	0.029
Cadmium	**0.32**	J	mg/Kg	0.48	0.034
Chromium	**33**		mg/Kg	0.96	0.092
Cobalt	**16**		mg/Kg	0.48	0.10
Copper	**24**		mg/Kg	0.96	0.24
Lead	**14**		mg/Kg	0.96	0.14
Molybdenum	**0.76**	J	mg/Kg	0.96	0.18
Nickel	**23**		mg/Kg	0.96	0.18
Selenium	**0.94**	J	mg/Kg	2.9	0.36
Silver	**0.33**	J	mg/Kg	0.48	0.24
Vanadium	**54**		mg/Kg	0.96	0.078
Zinc	**81**		mg/Kg	4.8	0.16
Method: EPA 7471A Prep Method: METHOD					
Mercury	**0.079**	J	mg/Kg	0.16	0.0058
Method: EPA 8015M Prep Method: EPA 3580M					
DRO C10-C28	**4.3**	J	mg/Kg	10	1.1
ORO C28-C44	**1.5**	J	mg/Kg	20	1.1
Method: EPA 8260B Prep Method: EPA 5035					
Toluene	**1.8**	J	ug/Kg	3.7	0.7
Ethylbenzene	**0.8**	J	ug/Kg	3.7	0.7
m,p-Xylenes	**3.4**	J	ug/Kg	7.4	1.0
o-Xylene	**1.1**	J	ug/Kg	3.7	0.7
1,2,4-Trimethylbenzene	**1.1**	J	ug/Kg	3.7	0.7
Xylene (total)	**4.6**	J	ug/Kg	3.7	

J Estimated value

Results for any subcontracted analyses are not included in this summary. Data qualifiers and additional information necessary for the interpretation of the test results are contained in the PDF file and may not be included in this summary.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 482859

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	TERRAPHASE ENGINEERING	Quote #:	
Report To:	DARREN CROTEAU	Proj. Name:	LAUSD - GARFIELD HS
Email:	darren.croteau@terraphase.com	Proj. #:	5030-656-003
Address:	19101 VON KARMAN AVE #410	P.O. #:	
	IRVINE CA	Address:	5101 E 6th ST. LOS ANGELES CA
Phone:	(949) 377-7227	Global ID:	
Fax:		Sampled By:	J. CATIVO / B. MERCADO

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request	Test Instructions / Comments
1	IDW-230405	4/5/23	1515	S	1 BAG / 5 GAL	ICE		HOLD
2								
3								
4								
5								
6								
7								
8								
9								
10								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		JULIANNA CATIVO	TEP / GEOLOGIST	4/5/23 1642
1 Received By:		Annaleah Smallcomb	EA	4/5/23 1642
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Terraphase Engineering Project: LAUSD Garfield

Date Received: 4/5/23 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 2.8 #2: 10.2 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.2 #2: 1.3 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 4/5/23

MONTROSE ENVIRONMENTAL

Patty Mata <patty.mata@enthalpy.com>

RE: [EXTERNAL] LAUSD Garfield HS

1 message

Jonathan Marshak <jonathan.marshak@terraphase.com> Tue, Apr 18, 2023 at 10:26 AM
To: Patty Mata <patty.mata@enthalpy.com>, Daniel Chavez <daniel.chavez@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>, Darren Croteau <darren.croteau@terraphase.com>

Hello Patty,

Can we please also take sample 482859-001 off of hold and run it for Metals (6010/7471), TPH full scan (8015M), VOCs (8260B) and OCPs (8081A) on standard TAT.

Thanks,

Jon Marshak

Project Geologist

(he/his)

250 1st Street, Suite 1401

Los Angeles, CA 90012

O: 949-377-2227 ext. 103 | C: 713-305-3463

jonathan.marshak@terraphase.com

From: Jonathan Marshak
Sent: Friday, April 14, 2023 2:38 PM
To: Patty Mata <patty.mata@enthalpy.com>; Daniel Chavez <daniel.chavez@enthalpy.com>
Cc: Vanya Keyes <vanya.keyes@terraphase.com>; Darren Croteau <darren.croteau@terraphase.com>
Subject: RE: [EXTERNAL] LAUSD Garfield HS

Hello Patty,

In addition to the additional TPH tests listed earlier can we please run the following additional tests:

Sample ID	Enthalpy ID	Lead	Lead		Arsenic
		EPA 6020	STLC	TCLP	STLC
SB-13-1.0	482773-070				X

ENTHALPY ANALYTICAL

Analysis Results for 482859

Darren Croteau
Terraphase Engineering
18401 Von Karman Ave, Suite #410
Irvine, CA 92612

Lab Job #: 482859
Project No: LAUSD SCHOOL
Location: LAUSD-Garfield HS, S030.056.003
Date Received: 04/05/23

Sample ID: IDW-230405 **Lab ID: 482859-001** **Collected: 04/05/23 15:15**
Matrix: Soil

482859-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	2.9	0.75	0.96	312015	04/18/23	04/18/23	SBW
Arsenic	**5.8**		mg/Kg	0.96	0.45	0.96	312015	04/18/23	04/18/23	SBW
Barium	**130**		mg/Kg	0.96	0.11	0.96	312015	04/18/23	04/18/23	SBW
Beryllium	**0.49**		mg/Kg	0.48	0.029	0.96	312015	04/18/23	04/19/23	SBW
Cadmium	**0.32**	J	mg/Kg	0.48	0.034	0.96	312015	04/18/23	04/18/23	SBW
Chromium	**33**		mg/Kg	0.96	0.092	0.96	312015	04/18/23	04/18/23	SBW
Cobalt	**16**		mg/Kg	0.48	0.10	0.96	312015	04/18/23	04/18/23	SBW
Copper	**24**		mg/Kg	0.96	0.24	0.96	312015	04/18/23	04/18/23	SBW
Lead	**14**		mg/Kg	0.96	0.14	0.96	312015	04/18/23	04/18/23	SBW
Molybdenum	**0.76**	J	mg/Kg	0.96	0.18	0.96	312015	04/18/23	04/18/23	SBW
Nickel	**23**		mg/Kg	0.96	0.18	0.96	312015	04/18/23	04/18/23	SBW
Selenium	**0.94**	J	mg/Kg	2.9	0.36	0.96	312015	04/18/23	04/18/23	SBW
Silver	**0.33**	J	mg/Kg	0.48	0.24	0.96	312015	04/18/23	04/18/23	SBW
Thallium	ND		mg/Kg	2.9	0.49	0.96	312015	04/18/23	04/18/23	SBW
Vanadium	**54**		mg/Kg	0.96	0.078	0.96	312015	04/18/23	04/18/23	SBW
Zinc	**81**		mg/Kg	4.8	0.16	0.96	312015	04/18/23	04/18/23	SBW
Method: EPA 7471A Prep Method: METHOD										
Mercury	**0.079**	J	mg/Kg	0.16	0.0058	1.2	312066	04/19/23	04/19/23	KAM
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	10	1.1	1	312108	04/19/23	04/20/23	BJG
DRO C10-C28	**4.3**	J	mg/Kg	10	1.1	1	312108	04/19/23	04/20/23	BJG
ORO C28-C44	**1.5**	J	mg/Kg	20	1.1	1	312108	04/19/23	04/20/23	BJG
Surrogates				**Limits**						
n-Triacontane	105%		%REC	70-130		1	312108	04/19/23	04/20/23	BJG
Method: EPA 8081A Prep Method: EPA 3546										
alpha-BHC	ND		ug/Kg	25	6.1	5	311990	04/19/23	04/19/23	MES
beta-BHC	ND		ug/Kg	25	8.4	5	311990	04/19/23	04/19/23	MES
gamma-BHC	ND		ug/Kg	25	5.2	5	311990	04/19/23	04/19/23	MES
delta-BHC	ND		ug/Kg	25	6.8	5	311990	04/19/23	04/19/23	MES
Heptachlor	ND		ug/Kg	25	7.5	5	311990	04/19/23	04/19/23	MES
Aldrin	ND		ug/Kg	25	6.4	5	311990	04/19/23	04/19/23	MES
Heptachlor epoxide	ND		ug/Kg	25	9.1	5	311990	04/19/23	04/19/23	MES

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482859

482859-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Endosulfan I	ND		ug/Kg	25	7.1	5	311990	04/19/23	04/19/23	MES
Dieldrin	ND		ug/Kg	25	7.2	5	311990	04/19/23	04/19/23	MES
4,4'-DDE	ND		ug/Kg	25	7.2	5	311990	04/19/23	04/19/23	MES
Endrin	ND		ug/Kg	25	7.8	5	311990	04/19/23	04/19/23	MES
Endosulfan II	ND		ug/Kg	25	7.8	5	311990	04/19/23	04/19/23	MES
Endosulfan sulfate	ND		ug/Kg	25	8.1	5	311990	04/19/23	04/19/23	MES
4,4'-DDD	ND		ug/Kg	25	5.5	5	311990	04/19/23	04/19/23	MES
Endrin aldehyde	ND		ug/Kg	25	8.4	5	311990	04/19/23	04/19/23	MES
Endrin ketone	ND		ug/Kg	25	6.9	5	311990	04/19/23	04/19/23	MES
4,4'-DDT	ND		ug/Kg	25	7.2	5	311990	04/19/23	04/19/23	MES
Methoxychlor	ND		ug/Kg	50	25	5	311990	04/19/23	04/19/23	MES
Toxaphene	ND		ug/Kg	500	74	5	311990	04/19/23	04/19/23	MES
Chlordane (Technical)	ND		ug/Kg	250	54	5	311990	04/19/23	04/19/23	MES
Surrogates				**Limits**						
TCMX	63%		%REC	23-120		5	311990	04/19/23	04/19/23	MES
Decachlorobiphenyl	54%		%REC	24-120		5	311990	04/19/23	04/19/23	MES
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	3.7	1.0	0.74	311957	04/18/23	04/18/23	EJB
cis-1,4-Dichloro-2-butene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
trans-1,4-Dichloro-2-butene	ND		ug/Kg	3.7	2.4	0.74	311957	04/18/23	04/18/23	EJB
Freon 12	ND		ug/Kg	3.7	0.9	0.74	311957	04/18/23	04/18/23	EJB
Chloromethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Vinyl Chloride	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Bromomethane	ND		ug/Kg	3.7	1.1	0.74	311957	04/18/23	04/18/23	EJB
Chloroethane	ND		ug/Kg	3.7	0.9	0.74	311957	04/18/23	04/18/23	EJB
Trichlorofluoromethane	ND		ug/Kg	3.7	0.9	0.74	311957	04/18/23	04/18/23	EJB
Acetone	ND		ug/Kg	74	15	0.74	311957	04/18/23	04/18/23	EJB
Freon 113	ND		ug/Kg	3.7	0.8	0.74	311957	04/18/23	04/18/23	EJB
1,1-Dichloroethene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Methylene Chloride	ND		ug/Kg	3.7	1.4	0.74	311957	04/18/23	04/18/23	EJB
MTBE	ND		ug/Kg	3.7	0.8	0.74	311957	04/18/23	04/18/23	EJB
trans-1,2-Dichloroethene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,1-Dichloroethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
2-Butanone	ND		ug/Kg	74	15	0.74	311957	04/18/23	04/18/23	EJB
cis-1,2-Dichloroethene	ND		ug/Kg	3.7	0.9	0.74	311957	04/18/23	04/18/23	EJB
2,2-Dichloropropane	ND		ug/Kg	3.7	0.8	0.74	311957	04/18/23	04/18/23	EJB
Chloroform	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Bromochloromethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,1,1-Trichloroethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,1-Dichloropropene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Carbon Tetrachloride	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2-Dichloroethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Benzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Trichloroethene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2-Dichloropropane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 482859

482859-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Bromodichloromethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Dibromomethane	ND		ug/Kg	3.7	0.9	0.74	311957	04/18/23	04/18/23	EJB
4-Methyl-2-Pentanone	ND		ug/Kg	3.7	1.3	0.74	311957	04/18/23	04/18/23	EJB
cis-1,3-Dichloropropene	ND		ug/Kg	3.7	0.9	0.74	311957	04/18/23	04/18/23	EJB
Toluene	**1.8**	J	ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
trans-1,3-Dichloropropene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,1,2-Trichloroethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,3-Dichloropropane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Tetrachloroethene	ND		ug/Kg	3.7	1.4	0.74	311957	04/18/23	04/18/23	EJB
Dibromochloromethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2-Dibromoethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Chlorobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,1,1,2-Tetrachloroethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Ethylbenzene	**0.8**	J	ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
m,p-Xylenes	**3.4**	J	ug/Kg	7.4	1.0	0.74	311957	04/18/23	04/18/23	EJB
o-Xylene	**1.1**	J	ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Styrene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Bromoform	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Isopropylbenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,1,2,2-Tetrachloroethane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2,3-Trichloropropane	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Propylbenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Bromobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,3,5-Trimethylbenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
2-Chlorotoluene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
4-Chlorotoluene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
tert-Butylbenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2,4-Trimethylbenzene	**1.1**	J	ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
sec-Butylbenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
para-Isopropyl Toluene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,3-Dichlorobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,4-Dichlorobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
n-Butylbenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2-Dichlorobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	3.7	1.0	0.74	311957	04/18/23	04/18/23	EJB
1,2,4-Trichlorobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Hexachlorobutadiene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Naphthalene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
1,2,3-Trichlorobenzene	ND		ug/Kg	3.7	0.7	0.74	311957	04/18/23	04/18/23	EJB
Xylene (total)	**4.6**	J	ug/Kg	3.7		0.74	311957	04/18/23	04/18/23	EJB
Surrogates				**Limits**						
Dibromofluoromethane	100%		%REC	70-145		0.74	311957	04/18/23	04/18/23	EJB
1,2-Dichloroethane-d4	110%		%REC	70-145		0.74	311957	04/18/23	04/18/23	EJB
Toluene-d8	102%		%REC	70-145		0.74	311957	04/18/23	04/18/23	EJB
Bromofluorobenzene	103%		%REC	70-145		0.74	311957	04/18/23	04/18/23	EJB

Results for any subcontracted analyses are not included in this section.

Analysis Results for 482859

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1059382**	**Batch: 312015**
Matrix: Miscell.	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1059382 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	0.78	04/18/23	04/18/23
Arsenic	ND		mg/Kg	1.0	0.47	04/18/23	04/18/23
Barium	ND		mg/Kg	1.0	0.12	04/18/23	04/19/23
Beryllium	ND		mg/Kg	0.50	0.030	04/18/23	04/18/23
Cadmium	ND		mg/Kg	0.50	0.036	04/18/23	04/18/23
Chromium	ND		mg/Kg	1.0	0.095	04/18/23	04/18/23
Cobalt	ND		mg/Kg	0.50	0.11	04/18/23	04/18/23
Copper	ND		mg/Kg	1.0	0.25	04/18/23	04/18/23
Lead	0.25	J	mg/Kg	1.0	0.14	04/18/23	04/18/23
Molybdenum	ND		mg/Kg	1.0	0.18	04/18/23	04/18/23
Nickel	ND		mg/Kg	1.0	0.18	04/18/23	04/18/23
Selenium	ND		mg/Kg	3.0	0.37	04/18/23	04/19/23
Silver	ND		mg/Kg	0.50	0.25	04/18/23	04/18/23
Thallium	ND		mg/Kg	3.0	0.51	04/18/23	04/18/23
Vanadium	ND		mg/Kg	1.0	0.081	04/18/23	04/18/23
Zinc	0.68	J	mg/Kg	5.0	0.17	04/18/23	04/19/23

Type: Lab Control Sample	**Lab ID: QC1059403**	**Batch: 312015**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1059403 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	106.8	100.0	mg/Kg	107%		80-120
Arsenic	104.0	100.0	mg/Kg	104%		80-120
Barium	113.0	100.0	mg/Kg	113%		80-120
Beryllium	99.56	100.0	mg/Kg	100%		80-120
Cadmium	114.4	100.0	mg/Kg	114%		80-120
Chromium	111.4	100.0	mg/Kg	111%		80-120
Cobalt	111.1	100.0	mg/Kg	111%		80-120
Copper	106.0	100.0	mg/Kg	106%		80-120
Lead	109.1	100.0	mg/Kg	109%		80-120
Molybdenum	108.9	100.0	mg/Kg	109%		80-120
Nickel	111.9	100.0	mg/Kg	112%		80-120
Selenium	95.97	100.0	mg/Kg	96%		80-120
Silver	49.13	50.00	mg/Kg	98%		80-120
Thallium	107.5	100.0	mg/Kg	107%		80-120
Vanadium	108.1	100.0	mg/Kg	108%		80-120
Zinc	114.1	100.0	mg/Kg	114%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1059404	Batch:	312015
Matrix (Source ID):	Soil (482859-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1059404 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	53.55	ND	96.15	mg/Kg	56%	*	75-125	0.96
Arsenic	106.9	5.757	96.15	mg/Kg	105%		75-125	0.96
Barium	260.6	133.9	96.15	mg/Kg	132%	*	75-125	0.96
Beryllium	96.95	0.4899	96.15	mg/Kg	100%		75-125	0.96
Cadmium	109.2	0.3215	96.15	mg/Kg	113%		75-125	0.96
Chromium	143.0	33.36	96.15	mg/Kg	114%		75-125	0.96
Cobalt	122.5	16.13	96.15	mg/Kg	111%		75-125	0.96
Copper	134.9	23.70	96.15	mg/Kg	116%		75-125	0.96
Lead	116.6	13.86	96.15	mg/Kg	107%		75-125	0.96
Molybdenum	104.8	0.7640	96.15	mg/Kg	108%		75-125	0.96
Nickel	128.2	22.80	96.15	mg/Kg	110%		75-125	0.96
Selenium	93.38	0.9396	96.15	mg/Kg	96%		75-125	0.96
Silver	49.45	0.3285	48.08	mg/Kg	102%		75-125	0.96
Thallium	99.61	ND	96.15	mg/Kg	104%		75-125	0.96
Vanadium	164.3	54.27	96.15	mg/Kg	114%		75-125	0.96
Zinc	186.4	80.80	96.15	mg/Kg	110%		75-125	0.96

Type:	Matrix Spike Duplicate	Lab ID:	QC1059405	Batch:	312015
Matrix (Source ID):	Soil (482859-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1059405 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	54.52	ND	98.04	mg/Kg	56%	*	75-125	0	41	0.98
Arsenic	108.6	5.757	98.04	mg/Kg	105%		75-125	0	35	0.98
Barium	241.8	133.9	98.04	mg/Kg	110%		75-125	8	20	0.98
Beryllium	99.24	0.4899	98.04	mg/Kg	101%		75-125	0	20	0.98
Cadmium	111.5	0.3215	98.04	mg/Kg	113%		75-125	0	20	0.98
Chromium	142.6	33.36	98.04	mg/Kg	111%		75-125	2	20	0.98
Cobalt	121.0	16.13	98.04	mg/Kg	107%		75-125	3	20	0.98
Copper	133.7	23.70	98.04	mg/Kg	112%		75-125	2	20	0.98
Lead	117.2	13.86	98.04	mg/Kg	105%		75-125	1	20	0.98
Molybdenum	106.3	0.7640	98.04	mg/Kg	108%		75-125	1	20	0.98
Nickel	128.2	22.80	98.04	mg/Kg	107%		75-125	2	20	0.98
Selenium	95.06	0.9396	98.04	mg/Kg	96%		75-125	0	20	0.98
Silver	50.17	0.3285	49.02	mg/Kg	102%		75-125	0	20	0.98
Thallium	101.2	ND	98.04	mg/Kg	103%		75-125	0	20	0.98
Vanadium	162.6	54.27	98.04	mg/Kg	111%		75-125	2	20	0.98
Zinc	184.0	80.80	98.04	mg/Kg	105%		75-125	2	20	0.98

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1059533	Batch: 312066
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1059533 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.0050	04/19/23	04/19/23

Type: Lab Control Sample	Lab ID: QC1059534	Batch: 312066
Matrix: Soil	Method: EPA 7471A	Prep Method: METHOD

QC1059534 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8185	0.8333	mg/Kg	98%		80-120

Type: Matrix Spike	Lab ID: QC1059535	Batch: 312066
Matrix (Source ID): Soil (483574-029)	Method: EPA 7471A	Prep Method: METHOD

QC1059535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9643	0.04245	0.8475	mg/Kg	109%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC1059536	Batch: 312066
Matrix (Source ID): Soil (483574-029)	Method: EPA 7471A	Prep Method: METHOD

QC1059536 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8755	0.04245	0.8475	mg/Kg	98%		75-125	10	20	1

Type: Blank	Lab ID: QC1059678	Batch: 312108
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1059678 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	9.9	1.1	04/19/23	04/20/23
DRO C10-C28	ND		mg/Kg	9.9	1.1	04/19/23	04/20/23
ORO C28-C44	ND		mg/Kg	20	1.1	04/19/23	04/20/23
Surrogates				**Limits**			
n-Triacontane	97%		%REC	70-130		04/19/23	04/20/23

Type: Lab Control Sample	Lab ID: QC1059679	Batch: 312108
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1059679 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	213.1	248.3	mg/Kg	86%		76-122
Surrogates						
n-Triacontane	9.670	9.930	mg/Kg	97%		70-130

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1059680**	**Batch:**	**312108**
Matrix (Source ID):	**Soil (483588-012)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059680 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	223.1	ND	248.0	mg/Kg	90%		62-126	0.99
Surrogates								
n-Triacontane	9.542		9.921	mg/Kg	96%		70-130	0.99

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1059681**	**Batch:**	**312108**
Matrix (Source ID):	**Soil (483588-012)**	**Method:**	**EPA 8015M**	**Prep Method:**	**EPA 3580M**

QC1059681 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	214.3	ND	248.0	mg/Kg	86%		62-126	4	35	0.99
Surrogates										
n-Triacontane	9.167		9.921	mg/Kg	92%		70-130			0.99

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1059330**	**Batch: 311990**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1059330 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	1.2	04/18/23	04/19/23
beta-BHC	ND		ug/Kg	5.0	1.7	04/18/23	04/19/23
gamma-BHC	ND		ug/Kg	5.0	1.0	04/18/23	04/19/23
delta-BHC	ND		ug/Kg	5.0	1.4	04/18/23	04/19/23
Heptachlor	ND		ug/Kg	5.0	1.5	04/18/23	04/19/23
Aldrin	ND		ug/Kg	5.0	1.3	04/18/23	04/19/23
Heptachlor epoxide	ND		ug/Kg	5.0	1.8	04/18/23	04/19/23
Endosulfan I	ND		ug/Kg	5.0	1.4	04/18/23	04/19/23
Dieldrin	ND		ug/Kg	5.0	1.4	04/18/23	04/19/23
4,4'-DDE	ND		ug/Kg	5.0	1.4	04/18/23	04/19/23
Endrin	ND		ug/Kg	5.0	1.6	04/18/23	04/19/23
Endosulfan II	ND		ug/Kg	5.0	1.6	04/18/23	04/19/23
Endosulfan sulfate	ND		ug/Kg	5.0	1.6	04/18/23	04/19/23
4,4'-DDD	ND		ug/Kg	5.0	1.1	04/18/23	04/19/23
Endrin aldehyde	ND		ug/Kg	5.0	1.7	04/18/23	04/19/23
Endrin ketone	ND		ug/Kg	5.0	1.4	04/18/23	04/19/23
4,4'-DDT	ND		ug/Kg	5.0	1.4	04/18/23	04/19/23
Methoxychlor	ND		ug/Kg	10	5.1	04/18/23	04/19/23
Toxaphene	ND		ug/Kg	100	15	04/18/23	04/19/23
Chlordane (Technical)	ND		ug/Kg	50	11	04/18/23	04/19/23
Surrogates				**Limits**			
TCMX	59%		%REC	23-120		04/18/23	04/19/23
Decachlorobiphenyl	54%		%REC	24-120		04/18/23	04/19/23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1059331**	**Batch: 311990**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1059331 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	37.33	50.05	ug/Kg	75%		22-129
beta-BHC	36.20	50.05	ug/Kg	72%		28-125
gamma-BHC	36.51	50.05	ug/Kg	73%		22-128
delta-BHC	36.82	50.05	ug/Kg	74%		24-131
Heptachlor	35.37	50.05	ug/Kg	71%		18-124
Aldrin	31.71	50.05	ug/Kg	63%		23-120
Heptachlor epoxide	35.83	50.05	ug/Kg	72%		26-120
Endosulfan I	37.48	50.05	ug/Kg	75%		25-126
Dieldrin	35.46	50.05	ug/Kg	71%		23-124
4,4'-DDE	35.96	50.05	ug/Kg	72%		28-121
Endrin	38.38	50.05	ug/Kg	77%		25-127
Endosulfan II	35.16	50.05	ug/Kg	70%		29-121
Endosulfan sulfate	34.93	50.05	ug/Kg	70%		30-121
4,4'-DDD	36.03	50.05	ug/Kg	72%		26-120
Endrin aldehyde	25.04	50.05	ug/Kg	50%		10-120
Endrin ketone	36.36	50.05	ug/Kg	73%		28-125
4,4'-DDT	33.51	50.05	ug/Kg	67%		22-125
Methoxychlor	36.12	50.05	ug/Kg	72%		28-130
Surrogates						
TCMX	32.50	50.05	ug/Kg	65%		23-120
Decachlorobiphenyl	29.56	50.05	ug/Kg	59%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1059334**	**Batch:**	**311990**
Matrix (Source ID):	**Soil (483380-005)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1059334 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	36.34	ND	50.20	ug/Kg	72%		46-120	1
beta-BHC	36.26	ND	50.20	ug/Kg	72%		41-120	1
gamma-BHC	35.27	ND	50.20	ug/Kg	70%		41-120	1
delta-BHC	35.69	ND	50.20	ug/Kg	71%		38-123	1
Heptachlor	34.70	ND	50.20	ug/Kg	69%		39-120	1
Aldrin	35.93	ND	50.20	ug/Kg	72%		34-120	1
Heptachlor epoxide	37.01	ND	50.20	ug/Kg	74%		43-120	1
Endosulfan I	35.43	ND	50.20	ug/Kg	71%		45-120	1
Dieldrin	33.85	ND	50.20	ug/Kg	67%		45-120	1
4,4'-DDE	35.68	ND	50.20	ug/Kg	71%		34-120	1
Endrin	37.96	ND	50.20	ug/Kg	76%		40-120	1
Endosulfan II	33.79	ND	50.20	ug/Kg	67%		41-120	1
Endosulfan sulfate	32.50	ND	50.20	ug/Kg	65%		42-120	1
4,4'-DDD	33.94	ND	50.20	ug/Kg	68%		41-120	1
Endrin aldehyde	25.47	ND	50.20	ug/Kg	51%		30-120	1
Endrin ketone	33.88	ND	50.20	ug/Kg	67%		45-120	1
4,4'-DDT	35.94	ND	50.20	ug/Kg	72%		35-127	1
Methoxychlor	35.26	ND	50.20	ug/Kg	70%		42-136	1
Surrogates								
TCMX	32.39		50.20	ug/Kg	65%		23-120	1
Decachlorobiphenyl	29.10		50.20	ug/Kg	58%		24-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1059335**	**Batch:**	**311990**
Matrix (Source ID):	**Soil (483380-005)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1059335 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	38.19	ND	50.20	ug/Kg	76%		46-120	5	30	1
beta-BHC	38.00	ND	50.20	ug/Kg	76%		41-120	5	30	1
gamma-BHC	36.83	ND	50.20	ug/Kg	73%		41-120	4	30	1
delta-BHC	37.42	ND	50.20	ug/Kg	75%		38-123	5	30	1
Heptachlor	36.27	ND	50.20	ug/Kg	72%		39-120	4	30	1
Aldrin	36.03	ND	50.20	ug/Kg	72%		34-120	0	30	1
Heptachlor epoxide	37.37	ND	50.20	ug/Kg	74%		43-120	1	30	1
Endosulfan I	37.39	ND	50.20	ug/Kg	74%		45-120	5	30	1
Dieldrin	36.51	ND	50.20	ug/Kg	73%		45-120	8	30	1
4,4'-DDE	36.45	ND	50.20	ug/Kg	73%		34-120	2	30	1
Endrin	39.53	ND	50.20	ug/Kg	79%		40-120	4	30	1
Endosulfan II	35.43	ND	50.20	ug/Kg	71%		41-120	5	30	1
Endosulfan sulfate	34.29	ND	50.20	ug/Kg	68%		42-120	5	30	1
4,4'-DDD	35.48	ND	50.20	ug/Kg	71%		41-120	4	30	1
Endrin aldehyde	27.17	ND	50.20	ug/Kg	54%		30-120	6	30	1
Endrin ketone	36.04	ND	50.20	ug/Kg	72%		45-120	6	30	1
4,4'-DDT	37.62	ND	50.20	ug/Kg	75%		35-127	5	30	1
Methoxychlor	36.48	ND	50.20	ug/Kg	73%		42-136	3	30	1
Surrogates										
TCMX	33.74		50.20	ug/Kg	67%		23-120			1
Decachlorobiphenyl	29.90		50.20	ug/Kg	60%		24-120			1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1059224**	**Batch:**	**311957**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1059224 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.41	50.00	ug/Kg	103%		70-131
MTBE	46.22	50.00	ug/Kg	92%		69-130
Benzene	50.52	50.00	ug/Kg	101%		70-130
Trichloroethene	55.59	50.00	ug/Kg	111%		70-130
Toluene	52.14	50.00	ug/Kg	104%		70-130
Chlorobenzene	51.05	50.00	ug/Kg	102%		70-130
Surrogates						
Dibromofluoromethane	49.29	50.00	ug/Kg	99%		70-130
1,2-Dichloroethane-d4	51.88	50.00	ug/Kg	104%		70-145
Toluene-d8	51.81	50.00	ug/Kg	104%		70-145
Bromofluorobenzene	50.45	50.00	ug/Kg	101%		70-145

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1059225**	**Batch:**	**311957**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1059225 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	48.25	50.00	ug/Kg	96%		70-131	6	33
MTBE	46.05	50.00	ug/Kg	92%		69-130	0	30
Benzene	48.11	50.00	ug/Kg	96%		70-130	5	30
Trichloroethene	52.05	50.00	ug/Kg	104%		70-130	7	30
Toluene	48.18	50.00	ug/Kg	96%		70-130	8	30
Chlorobenzene	47.44	50.00	ug/Kg	95%		70-130	7	30
Surrogates								
Dibromofluoromethane	50.93	50.00	ug/Kg	102%		70-130		
1,2-Dichloroethane-d4	53.03	50.00	ug/Kg	106%		70-145		
Toluene-d8	50.67	50.00	ug/Kg	101%		70-145		
Bromofluorobenzene	49.83	50.00	ug/Kg	100%		70-145		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1059228	**Batch:** 311957
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** EPA 5035

QC1059228 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	1.3	04/18/23	04/18/23
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	3.2	04/18/23	04/18/23
Freon 12	ND		ug/Kg	5.0	1.2	04/18/23	04/18/23
Chloromethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Vinyl Chloride	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Bromomethane	ND		ug/Kg	5.0	1.5	04/18/23	04/18/23
Chloroethane	ND		ug/Kg	5.0	1.2	04/18/23	04/18/23
Trichlorofluoromethane	ND		ug/Kg	5.0	1.2	04/18/23	04/18/23
Acetone	ND		ug/Kg	100	20	04/18/23	04/18/23
Freon 113	ND		ug/Kg	5.0	1.1	04/18/23	04/18/23
1,1-Dichloroethene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Methylene Chloride	ND		ug/Kg	5.0	1.8	04/18/23	04/18/23
MTBE	ND		ug/Kg	5.0	1.1	04/18/23	04/18/23
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,1-Dichloroethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
2-Butanone	ND		ug/Kg	100	20	04/18/23	04/18/23
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	04/18/23	04/18/23
2,2-Dichloropropane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Chloroform	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Bromochloromethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,1-Dichloropropene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Carbon Tetrachloride	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2-Dichloroethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Benzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Trichloroethene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2-Dichloropropane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Bromodichloromethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Dibromomethane	ND		ug/Kg	5.0	1.2	04/18/23	04/18/23
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.8	04/18/23	04/18/23
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.2	04/18/23	04/18/23
Toluene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,3-Dichloropropane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Tetrachloroethene	ND		ug/Kg	5.0	1.9	04/18/23	04/18/23
Dibromochloromethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2-Dibromoethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Chlorobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Ethylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23

ENTHALPY ANALYTICAL

Batch QC

QC1059228 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
m,p-Xylenes	ND		ug/Kg	10	1.4	04/18/23	04/18/23
o-Xylene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Styrene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Bromoform	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Isopropylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Propylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Bromobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
2-Chlorotoluene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
4-Chlorotoluene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
tert-Butylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
sec-Butylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
para-Isopropyl Toluene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
n-Butylbenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.4	04/18/23	04/18/23
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Hexachlorobutadiene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Naphthalene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1.0	04/18/23	04/18/23
Xylene (total)	ND		ug/Kg	5.0		04/18/23	04/18/23
Surrogates				**Limits**			
Dibromofluoromethane	98%		%REC	70-130		04/18/23	04/18/23
1,2-Dichloroethane-d4	101%		%REC	70-145		04/18/23	04/18/23
Toluene-d8	100%		%REC	70-145		04/18/23	04/18/23
Bromofluorobenzene	96%		%REC	70-145		04/18/23	04/18/23

* Value is outside QC limits
J Estimated value
ND Not Detected

Appendix E

95UCL Analysis

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UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	ProUCL 5.15/25/2023 2:34:48 PM
From File	Input - Lead and Arsenic - all data.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Arsenic

General Statistics

Total Number of Observations	80	Number of Distinct Observations	33
		Number of Missing Observations	2
Minimum	1.8	Mean	6.405
Maximum	79	Median	5.35
SD	8.426	Std. Error of Mean	0.942
Coefficient of Variation	1.315	Skewness	8.314

Normal GOF Test

Shapiro Wilk Test Statistic	0.243	**Shapiro Wilk GOF Test**
5% Shapiro Wilk P Value	0	Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.419	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.0991	Data Not Normal at 5% Significance Level

Data Not Normal at 5% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	7.973	95% Adjusted-CLT UCL (Chen-1995)	8.89
		95% Modified-t UCL (Johnson-1978)	8.119

Gamma GOF Test

A-D Test Statistic	12.65	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.758	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.333	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.1	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	3.155	k star (bias corrected MLE)	3.045
Theta hat (MLE)	2.03	Theta star (bias corrected MLE)	2.103
nu hat (MLE)	504.8	nu star (bias corrected)	487.2
MLE Mean (bias corrected)	6.405	MLE Sd (bias corrected)	3.67
		Approximate Chi Square Value (0.05)	437
Adjusted Level of Significance	0.047	Adjusted Chi Square Value	436.2

48	**Assuming Gamma Distribution**											
49	95% Approximate Gamma UCL (use when n>=50))					7.14	95% Adjusted Gamma UCL (use when n<50)					7.155
50												
51	**Lognormal GOF Test**											
52	Shapiro Wilk Test Statistic					0.688	**Shapiro Wilk Lognormal GOF Test**					
53	5% Shapiro Wilk P Value					0	Data Not Lognormal at 5% Significance Level					
54	Lilliefors Test Statistic					0.268	**Lilliefors Lognormal GOF Test**					
55	5% Lilliefors Critical Value					0.0991	Data Not Lognormal at 5% Significance Level					
56	**Data Not Lognormal at 5% Significance Level**											
57												
58	**Lognormal Statistics**											
59	Minimum of Logged Data					0.588	Mean of logged Data					1.69
60	Maximum of Logged Data					4.369	SD of logged Data					0.425
61												
62	**Assuming Lognormal Distribution**											
63	95% H-UCL					6.471	90% Chebyshev (MVUE) UCL					6.804
64	95% Chebyshev (MVUE) UCL					7.202	97.5% Chebyshev (MVUE) UCL					7.754
65	99% Chebyshev (MVUE) UCL					8.838						
66												
67	**Nonparametric Distribution Free UCL Statistics**											
68	**Data do not follow a Discernible Distribution (0.05)**											
69												
70	**Nonparametric Distribution Free UCLs**											
71	95% CLT UCL					7.954	95% Jackknife UCL					7.973
72	95% Standard Bootstrap UCL					7.891	95% Bootstrap-t UCL					12.82
73	95% Hall's Bootstrap UCL					13.53	95% Percentile Bootstrap UCL					8.21
74	95% BCA Bootstrap UCL					9.236						
75	90% Chebyshev(Mean, Sd) UCL					9.231	95% Chebyshev(Mean, Sd) UCL					10.51
76	97.5% Chebyshev(Mean, Sd) UCL					12.29	99% Chebyshev(Mean, Sd) UCL					15.78
77												
78	**Suggested UCL to Use**											
79	95% Student's-t UCL					7.973	or 95% Modified-t UCL					8.119
80												
81	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
82	Recommendations are based upon data size, data distribution, and skewness.											
83	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
84	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
85												
86												

87	**Lead**											
88												
89	**General Statistics**											
90						Total Number of Observations	82			Number of Distinct Observations	51	
91										Number of Missing Observations	0	
92						Minimum	3			Mean	21.72	
93						Maximum	200			Median	7.55	
94						SD	33.11			Std. Error of Mean	3.656	
95						Coefficient of Variation	1.524			Skewness	3.288	
96												
97	**Normal GOF Test**											
98						Shapiro Wilk Test Statistic	0.565			**Shapiro Wilk GOF Test**		
99						5% Shapiro Wilk P Value	0			Data Not Normal at 5% Significance Level		
100						Lilliefors Test Statistic	0.301			**Lilliefors GOF Test**		
101						5% Lilliefors Critical Value	0.098			Data Not Normal at 5% Significance Level		
102	**Data Not Normal at 5% Significance Level**											
103												
104	**Assuming Normal Distribution**											
105						**95% Normal UCL**				**95% UCLs (Adjusted for Skewness)**		
106						95% Student's-t UCL	27.81			95% Adjusted-CLT UCL (Chen-1995)	29.15	
107										95% Modified-t UCL (Johnson-1978)	28.03	
108												
109	**Gamma GOF Test**											
110						A-D Test Statistic	7.961			**Anderson-Darling Gamma GOF Test**		
111						5% A-D Critical Value	0.783			Data Not Gamma Distributed at 5% Significance Level		
112						K-S Test Statistic	0.235			**Kolmogorov-Smirnov Gamma GOF Test**		
113						5% K-S Critical Value	0.102			Data Not Gamma Distributed at 5% Significance Level		
114	**Data Not Gamma Distributed at 5% Significance Level**											
115												
116	**Gamma Statistics**											
117						k hat (MLE)	0.97			k star (bias corrected MLE)	0.943	
118						Theta hat (MLE)	22.39			Theta star (bias corrected MLE)	23.04	
119						nu hat (MLE)	159.1			nu star (bias corrected)	154.6	
120						MLE Mean (bias corrected)	21.72			MLE Sd (bias corrected)	22.37	
121										Approximate Chi Square Value (0.05)	126.9	
122						Adjusted Level of Significance	0.0471			Adjusted Chi Square Value	126.4	
123												
124	**Assuming Gamma Distribution**											
125						95% Approximate Gamma UCL (use when n>=50))	26.47			95% Adjusted Gamma UCL (use when n<50)	26.57	
126												
127	**Lognormal GOF Test**											
128						Shapiro Wilk Test Statistic	0.821			**Shapiro Wilk Lognormal GOF Test**		
129						5% Shapiro Wilk P Value	4.063E-14			Data Not Lognormal at 5% Significance Level		
130						Lilliefors Test Statistic	0.195			**Lilliefors Lognormal GOF Test**		
131						5% Lilliefors Critical Value	0.098			Data Not Lognormal at 5% Significance Level		
132	**Data Not Lognormal at 5% Significance Level**											
133												
134	**Lognormal Statistics**											
135						Minimum of Logged Data	1.099			Mean of logged Data	2.481	
136						Maximum of Logged Data	5.298			SD of logged Data	0.96	
137												

	A	B	C	D	E	F	G	H	I	J	K	L
138	**Assuming Lognormal Distribution**											
139					95% H-UCL	23.97				90% Chebyshev (MVUE) UCL		25.88
140					95% Chebyshev (MVUE) UCL	29.08				97.5% Chebyshev (MVUE) UCL		33.52
141					99% Chebyshev (MVUE) UCL	42.25						
142												
143	**Nonparametric Distribution Free UCL Statistics**											
144	**Data do not follow a Discernible Distribution (0.05)**											
145												
146	**Nonparametric Distribution Free UCLs**											
147					95% CLT UCL	27.74				95% Jackknife UCL		27.81
148					95% Standard Bootstrap UCL	27.65				95% Bootstrap-t UCL		30.1
149					95% Hall's Bootstrap UCL	30.67				95% Percentile Bootstrap UCL		27.91
150					95% BCA Bootstrap UCL	29.81						
151					90% Chebyshev(Mean, Sd) UCL	32.69				95% Chebyshev(Mean, Sd) UCL		37.66
152					97.5% Chebyshev(Mean, Sd) UCL	44.56				99% Chebyshev(Mean, Sd) UCL		58.1
153												
154	**Suggested UCL to Use**											
155					95% Chebyshev (Mean, Sd) UCL	37.66						
156												
157	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
158	Recommendations are based upon data size, data distribution, and skewness.											
159	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
160	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
161												